

JUL 5 1923
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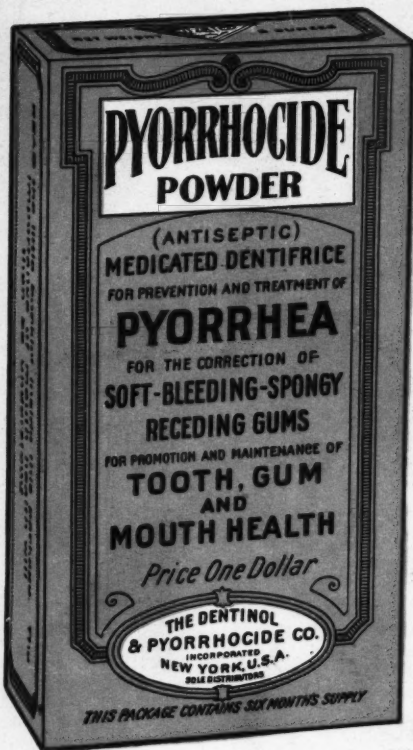
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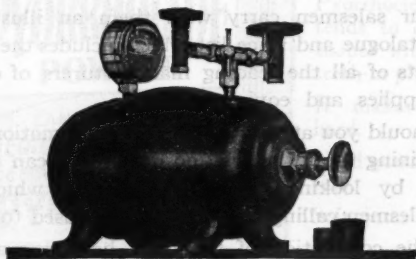
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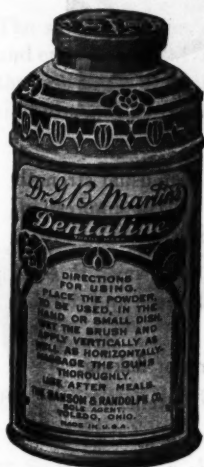
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July, 1923

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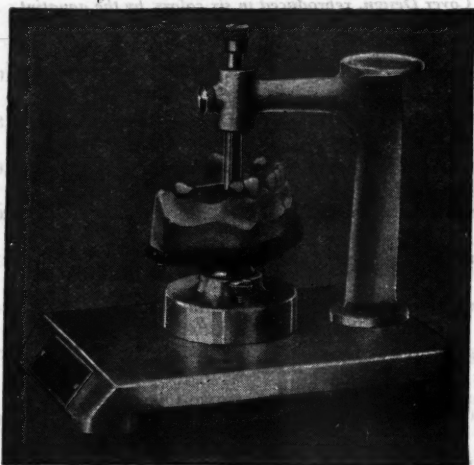
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FOUNDED 1911

JULY, 1923

VOL. XIII, No. 7

Coming in August ORAL HYGIENE

A Report of Oral Hygiene Activities in Oregon.

By W. D. McMillin, D. D. S., *Secretary
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What's Being Done in Toledo.

By Robert H. Gehring, D. D. S., *In
charge of Toledo, Ohio, Dental Dispensary.*

Oral Hygiene in Los Angeles County.

By Emma Pittenger Durbin, R. N.,
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"In Massachusetts—"

By Evelyn C. Schmidt, *Health Instructor
in Oral Hygiene, Massachusetts Depart-
ment of Public Health.*

Oral Hygiene in Indiana.

By A. J. Kimm, D. D. S., *Secretary of
the Indiana State Dental Association.*

The Mucin Film Test.

By Jules J. Sarrazin, D. D. S.

Occlusion

By MOSES JOEL EISENBERG, D. M. D., Roxbury, Mass.

Fellow of the Harriet Newell Lowell Society for Dental Research of the Harvard University Dental School. Acting Chief in Dental Orthopedics at Forsyth Dental Infirmary for Children, Boston, Mass.

THE term occlusion is defined in any dictionary as the act of shutting up, state of being shut up, transient approximation of the edges of a natural opening. Dentistry defines occlusion in such phrases as the relation of the occlusal inclined planes of the teeth when the jaws are closed; it is a condition of relationship existing between the teeth of dental arches when in antagonism, the mandible being in its farthest posterior position, and in exact medium register with the maxilla, and both in normal relationship with contiguous tissues.

Occlusion is the relation of the inclined planes of the teeth, (Dewey): this it seems to me is the most complete, scientific, brief and should be the most acceptable definition of occlusion. It is unlimited, unrestricted by conditions other than are necessary to qualify for the condition known literally as occlusion. Dewey again rises to the occasion and supplies us with another definition that is broad and unhampered—his definition of normal occlusion—he states that it is the relation of the inclined

planes of the teeth as intended by Nature, thus he allows for the individual normal.

Dental orthopedics being the science that deals with the mal occlusion, not only of tooth inclined planes—but of the jaws themselves, it is appropriate that we clean up this matter of the teeth and jaws as arranged by Nature. Further, let us remember that by Nature's arrangement, I mean pure unadulterated Nature where no diseases have produced abnormal nasal condition—where no personal habits have played havoc in the oral cavity. The perfect occlusal relation of the teeth is dependent on a chain of events that make occlusion possible—their functional and structural developmental elements such as the growth of the dental and maxillary arches and related structures. If a perversion of function of growth in any of these structures occurs—that they may cause the abnormal in occlusal relations of the teeth and jaws is inevitable.

Occlusion whether normal, abnormal, or indifferent is not really a primary factor in the study and practice of dental

orthopedics, since it is dependent entirely on preceding factors being referred back to abnormal, or diverted developmental conditions which influence the final results. It is of great import to the dental orthopedist to study occlusion not as an individuality, but as a problem to be analyzed, a cryptic message to be deciphered. To recognize the dependence of normal occlusion and occlusal relations upon certain physiological factors, involving as well as preceding the temporary set of teeth necessitates a knowledge—yes, a study and strict sense of diagnosis and prognosis as applied to the sequence of these developmental processes that form the links in the chain that leads up to the eruption of the permanent dentition.

A study by the writer of the recent observations made in clinics in the practice necessary in the treatment of dental, or rather maxillary and mandibular deformities of very young children, causes him to view dental orthopedics from a light entirely new and novel. We see the infant with its various chances for normal dentition, and we see the selfsame infant with its chances for abnormal dentition, and as we weigh the two chances in the balance we see the role that the efficient dental orthopedist should play. We can see his part in this special branch in the specialty of Orthodontia.

We see that in order to obtain normal development of the permanent dentition, we

must needs have normal temporary dentition preceding and followed by normal developmental conditions. For if the normal in the development of the dental, maxillary, and mandibular arches occur, then the harmonious and proportionate growth of the dentomaxillary arches, of the nasal and adjacent structures, and of the facial contour may be attained. But if on the other hand an abnormal tendency of either functions or structures in these regions should occur, proportionately greater will be the defects in the related and dependent structures.

In the temporary arches when all of the teeth are in situ and are at the latest period before the eruption of any of the permanent teeth and certain physiological processes are about to take place subject to the exfoliation of these temporary teeth and their subsequent replacement by their permanent set, there are a series of forces of work that have much to do with the normal and abnormal development of the secondary dentition according to the degree of the perfection of the physiological processes.

Almost all cases of mal occlusions of the permanent teeth can be traced back to the time when these processes are taking place. A proper understanding and diagnosis of these conditions would largely suggest that assistance be given to these natural faces that are hampered in their performances of their physiological

duty. It is necessary to intervene in such cases to avoid the tragedy of the inefficient and crippled occlusion due to an ignorance of their normal functions.

If we study the development of the deciduous arches at the time when all of the temporary teeth are in place—that is, at about the age of four, we will find usually a well rounded arch set with stumpy little teeth, the greatest diameter at the gingival margin. That is, the contact points are at the gum line. The occlusion is efficient and almost always on a plane showing no tendencies to demonstrate what has been called the occlusal or compensating curve. The same is true of the lower arch. These arches are functioning for the child and are supplying the child with the means of obtaining its thorough nutrition as far as mastication is concerned. A little later in the study at about the age of five, there appears to come a separation or spacing in the pre-maxillary region where the six anterior teeth are set. This physiological spacing is an indication of growth and its failure to appear is a sign of abnormality or deficiency in development. The retention of all temporary teeth is imperative in order to properly study the case, therefore, all dentistry on temporary teeth should be as thorough

and of as permanent a nature as if for the permanent teeth. Failure to retain the temporary teeth through this period will usually cause a retardation if not a partial cessation of the development of the maxillary arches, which you readily can see is always productive of more or less severe malocclusion of the permanent teeth.

It seems quite evident that all laws of occlusion as related to permanent teeth must be applicable in full to the temporary teeth both as to interdependence of one arch to the other and as to the normal growth and functions actually necessary to the establishment and completion of the permanent teeth arches.

The occlusal relation of the temporary teeth is slightly different from the permanent teeth. As regards overbite there is considerable more overbite in the temporary teeth than in the permanent teeth. At about the period when eruption of the permanent teeth is due, there is considerable change in the growth distribution in the temporary arches. The anterior region develops in width as the time approaches for the eruption of the permanent teeth in that region, the arches lengthening at about the same time for the accommodation of the six year molars.





Hind-Sights of a Designated Dental Examiner

By P. S. COLEMAN, D. D. S., Wilburton, Okla.

IT HAS been my privilege to have served as an examiner for the past three years and now that the contracts are being drawn in and the work centralized as nearly as possible full-time dental surgeons are being employed with each sub-district who will attend to all ex-service men.

In the beginning, hundreds of ex-service men were just out of the hospital, many suffering from shell shock, gas and a multitude of diseases contracted while in Europe, some of which were of a very serious nature and just what to do was very difficult to decide and when a plan of reconstruction was decided upon it was always very hard to adhere to the original as outlined; for instance, on some oral examination blanks sent in for approval it was not unusual for them to be held up six, eight or perhaps twelve months before the work was authorized and by the time it was authorized some phases had materially changed and what was at first contemplated could not be carried out at all and, rather than risk the chance of being sidetracked for

another six or twelve months, we would go ahead and as nearly as possible do what was originally intended.

The reason the delay occurred was that many changes had to be made in the district offices.

The District Manager had troubles of his own and not only the District Manager but the Washington people seemed to be having a hard time mapping out ways and means for reconstructing the wounded men, securing hospital sites, securing competent men, many men without executive ability creeping into important places, and last but not most important, men who would really work on the job and give it their whole attention were scarce.

The ex-service man who has been in a hospital for a number of months is apt to be a bit peevy, in fact most of us if we have to remain in bed for a week also get hard-boiled and touchy and there is nothing the ex-service man appreciates more than a little sympathy and someone who will go a little out of the way to do him a favor.

He appreciates it if the medical officer is kind and

endeavors to find out any minor trouble he may happen to have.

I recall one case in which a man had been blown thirty or forty feet and wounded badly about the head and shoulders. When he would call at the office for treatment—he was continually in pain and very dizzy—the officer would invariably ask him when he had the last infection and if any of his people were insane or in the asylum. There was probably nothing that could be done in his case but a small standing prescription for a bromide would have been the humane way to treat this man who had given his health and happiness for his country.

In another case a man who had been in an explosion when the *Tuscania* was torpedoed suffered from extreme nervousness and when he would call or when he was sent to the general hospital for a general examination the first suggestion to be made would be that he be sent to the psychopathic ward for a few months.

He told me that he knew he was very bad and that from all appearances he was absolutely a "nut" but as long as he was able to keep out of that ward he had some hope of ultimate recovery. Rather than submit to such an ordeal he purposely broke all vocational training rules and was fired out and finally received a sixteen dollar per month pension. He is conducting a little business and eking out an existence for himself and wife.

The trainees also appreciate it if the dentist goes a little further than the government allows and does things for his comfort.

A little kindness shown him is like a ray of light in the dark.

In handling a large organization certain rules and laws must govern services to be rendered.

At first it was clearly outlined that nearly all posterior bridges should be constructed by the cast clasp method. At the present time and in view of the fact that many failures resulted and many teeth were worn very sensitive along the margins many bridges have been re-constructed by use of the gold crown abutment.

Another factor in the case is that many dentists are able to construct a fair gold crown whereas they cannot construct a good cast clasp or one that will not cause soreness and decay and finally result in the use of gold crowns becoming necessary.

In my own practice where I find a clasp is causing trouble I endeavor to remedy it and then if the patient continues to wear the removable bridge in his pocket or on the sideboard I don't waste any time but simply and forthwith construct a fixed bridge and all goes along serenely. I also find that a woman will wear a removable bridge far better than a man and especially a man who has been shot all to pieces and gassed or wounded, and doesn't want to be bothered with an uncomfortable

contrivance in the mouth.

The next thing the average ex-service man dearly hates is the partial plate, more especially the lower partial with ordinary clasps. I make as few as possible in my practice and those I do construct are held more securely by either tube, concave or Dresch attachments.

In the ideal mouth these partials are very successful without such attachments but I always feel that I have done the patient justice when I use them and the patient also feels that way.

For ex-service men—if these partials are not successful or he feels he would like something else in its place—the time it takes to convince him that it is just the thing for his case I use in making bridges if abutments are good. I don't expect any fee when I do this and the gold doesn't cost very much; a little extra work doesn't hurt me and we all feel better satisfied! I have heard of designated dental surgeons going into the work of rehabilitating the ex-service man for the sake of what money could be made out of the job.

One man made a specialty of treating mouths and demanding two and three hundred dollar fees—another one tried to average a couple of thousand dollars per month. Some one or two others en-

deavored to draw down smaller sums and give as little in return as possible—cement fillings for silicates—crowns for clasps, etc.,—and get through with the patient at the earliest possible moment—get-the-money system and all you can get.

This, of course, is wrong and while it is an extremely hard job to prepare a tooth for a Tinker attachment in the mouth of a shell shocked or gassed patient, nevertheless try to do it and if you can't do it then it is better to make a regular three-quarter crown or open-faced crown, specify that you made it and charge for it as such and if after you have completed the work and find that something else is better, and you feel that you are doing right and you want to change it I don't think any objection could be raised, keeping mind that while you have quite a number of vocational men in your charge you must not expect to make a profit upon each case undertaken, and, secondly, in taking one of these positions put the money phase completely aside.

Endeavor to render a fair service and something that will be good and something that will last. You may not be able to earn a very huge sum but you will have the satisfaction of knowing the things you endeavored to do are good.



Who Was It Though



LIKE my dentist. Aside from denting, he fits in fine when we sing "Sweet Adaline" at the club. When we are all up high he can boom in bass "M-y-y Ad-oooh-l-line" just perfectly grand.

In fact I like him so well that if there is anything I have he wants he can have it—right where the chicken got the j. f. ax.

It was a nice spring morning and the birds were singing—tweet! tweet! tweet! Rent, income taxes and the high price of Socony (welcome to the free ad, John and little John, too) seemed far, far away.

Optimism fairly oozed. And, naturally, on such a day something happened. It always does. I don't care a fig what the Pollyannas say.

I hadn't walked three blocks before a flash of concentrated lightning struck my upper jaw. Here I was this fine spring morning all gummed up with joy and carrying the biggest ache in captivity.

I sneaked over to my dentist. I like to sneak upon dentists. If you catch them unaware they haven't time to think up things.

"Doc," I said, "One of my fangs is off the reservation. Can you do anything for it?"

"Surest thing you know," he

said—and then snapped into a soft sort of whistling just as if the world's biggest toothache meant not a single, tiny thing in his odontological life.

So I climbed up in the chair, opened my mouth and bared the tusks. He looked wise for a few seconds, made a clucking sound with his teeth and began to whistle softly again.

"Dammit, doc," I said with a faint trace of irritation, "this is no time for whistling. There's more agony in that tooth than there is in Germany."

He adjusted a miner's torch-light to his head, took a new look into Mammoth Cave—and made another clucking sound. Then he picked up a nut-pick and made three or four mild-mannered jabs and because I didn't yell he sank it in up to his wrist. I felt the point coming out the top of my head.

"H-m-m," he crooned, "bad tooth, bad tooth."

And before I knew it I began floating out of his chair. I remember reaching for a carafe of ice water to hold to as I passed out the window. But when I looked at it, it proved to be an elevated railroad train. I dropped it in a hurry and it wasn't two seconds before I began romping through fields of beautiful orchids.

There was a nice, cool, lim-

ughp Dentistry?

By O. O. McIntyre

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He sits on a revolving stool and while reading **ORAL HYGIENE** pushes buttons and before you know it you are all ready for a new set of false teeth just like dear old Grandpop's.

pid brook and when I came upon it a bevy of beautiful wood nymphs with garlands in their hair greeted me. Two of them sat in a lilac bush twanging golden harps. We played snap-the-whip and somehow I got on the end, and, before I knew it, I was whirling through the air again sailing swiftly for a rock as big as Gibraltar, head first.

The next thing I knew a young woman was bathing my wrists and the dentist was pouring ice water down my spinal column.

Then I grew all merry and bright. I looked out and saw the beautiful spring day that I had so suddenly deserted and began cracking quips. The dentist admired my gold wrist watch, given to me by one of my best friends, and I unstrapped it and handed it right over with my compliments.

And I gave the young woman attendant my set of amethyst cuff-links my wife gave me for Christmas and took her telephone number, and before I left, we all shook hands and I wished I had brought my flask and everything.

Going out I slapped the West Indian elevator operator on the back and invited him to dinner with me at Sherry's that night and at the corner newsstand I bought \$2 worth of magazines—all alike. And of all things—*The New Republic*.

And I am just writing this part down to let the dentist,

and his lady attendant and the West Indian boy know that all the stuff I told them was plain "apple-sauce" and doesn't go. I want my wrist watch and my cuff buttons and the next time they give me gas I'll have to be unconscious before they start.

I remember my grandmother telling me she had 18 teeth pulled at one sitting without taking gas, cocaine or anything. That evening she cooked a dinner for 12.

Now, I ask you, has dentistry improved?

And I'll answer the question. It has.

When the modern dentist pulls a tooth, instead of groaning and whooping "Murder!" you merely sit in a chair and take a free round trip to the Elysian Fields.

And when you come back they've hid the tooth, washed you all up slick and clean as though nothing had happened. The way dentistry has progressed it wouldn't surprise me any day to learn some dental expert had found a way to keep a patient from putting his tongue in the hole where the tooth formerly was.

While there is nothing so fascinating as a loose tooth there is nothing a tongue will miss so much as a tooth when it leaves.

There is a lot of service about dentistry these days, too. After they cram a couple of napkins, and a sheet for good measure, into your mouth and clamp your tongue down, they give you a pad and pencil and

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you can write down any funny jokes that may be passing through your head.

It used to be dentists in our town wore whiskers and tipped around mysterious like. They were creepy. The dentist today keeps his face right out in the open and he always carries a supply of good stories.

Some of them even play ukuleles in odd moments when they have your mouth full of plumbing.

It's the right idea. I believe the super-dentist will be the one who has his chair placed before a little stage and, while he is working, he will present a miniature musical revue—with beautiful girls melting into beautiful scenes and all such.

Another thing intrigues me about modern dentistry. That's the way they understand what you are saying when they have installed a hardware store in your mouth.

I was in the office of one recently while a friend sat in the chair. He motioned to

the dentist and said what sounded like this: "Ub-gawku-ich-blig-blug."

"Certainly," said the dentist—and opened the window. My friend nodded his thanks. That kind of stuff is almost like mind reading.

Nowadays, too, the dentist's office is a lilliputian replica of one of those huge dynamo stations. There are all sorts of funny lights, shiny brass handles, push buttons, tubes and wires.

He sits on a revolving stool and, while reading ORAL HYGIENE, pushes buttons and before you know it you are all ready for a new set of false teeth just like dear old Grandpop's.

There is only one complaint to make about the dentist's office. The library table is invariably filled with magazines and just as invariably they are magazines that no one ever reads. Every dentist should get a first-class librarian.

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He is With Us

THE COLORADO STATE DENTAL ASSOCIATION
TROUTDALE - IN - THE - PINES

Dear Dr. McGee:

I have delayed answering your letter of April 28th, regarding an Oral Hygiene Week in order to see the progress made by the medical profession during their Health Week at the Auditorium.

From the interest shown by the laity, I am convinced that your suggestion would be one of the grandest things ever suggested for the dental profession. I also feel that we could make our week a great deal more interesting and educational.

Assuring you of my earnest co-operation in this matter and with kindest personal regards, I am,

Very truly yours,

H. W. WILSON, D.D.S.

An Impacted Cuspid



Editor ORAL HYGIENE:

I am sending you record of a case that proved very interesting to me, with the thought it might be of interest to other readers of ORAL HYGIENE.

The patient, a man about thirty-one years of age, was referred with what appeared to be a growth in the region of the upper right cuspid, complaining of pain in that region and stoppage of the right nostral. The X-Ray (enclosed) showed the cuspid lying in a horizontal position.

Under block anesthesia, the first bicuspid was removed, having a root only about a quarter of an inch in length.

Then an incision was made over the impacted cuspid, and after removing considerable process tooth was removed. You will see from the photograph (enclosed) that the tooth very much resembled a mushroom.

The healing process has been very satisfactory, and the patient reports that the stoppage in his nose has practically disappeared.

Elliott H. Rowland, D.D.S.,

Santa Ana, Calif.

Sepia Section



Here is the foyer in the Cleveland Public Auditorium. It'll be filled with dentists during the A. D. A. Meeting there

ORAL HYGIENE

PROPHYLAXIS IN THE EVER-GLADES.

Down in the wilds of Florida the toothbrush drill has become part of the daily dozen and here is "Ben," a full-blooded Seminole, taking a stitch in time and saving nine.



Underwood & Underwood.



Wide World Photo.

TO OPEN AMERICAN DENTAL COLLEGE IN CHINA.

Henry Y. Zee, which in Chinese is Zü Tsuah Yoong, 25 years old, who will sail for China this summer to open a dental college in Shanghai. Dr. Zee is one of the youngest college deans in the world and comes from a wealthy Chinese family some of whom have held high official positions.

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L'OPERATEUR DE CAMPAGNE

A reproduction from the original by Roehn, in the collection of Dr. Chompret, via the French dental publication, *La Semaine Dentaire*. A good time was enjoyed by everybody—except the patient.

Collecting Dental Bills in Detroit

A STUDY of the records of the Professional Men's Credit Bureau, of Detroit, reveals the extreme methods to which people will resort in order to accomplish their ends. A considerable number of people will leave fictitious names and addresses, when applying for treatment. Such accounts are of course always difficult to collect. Quite a number of well-to-do but tricky people will dress in shabby clothes in order to secure services for minimum fees. Such misrepresentation takes place both in hospitals and private practices.

Different from those in the professions, modern business men exercise scrupulous care in extending credit to their patrons, particularly in the case of strangers. Their existence would be short-lived otherwise. In professional life more of a hit-and-miss policy prevails, frequently to the regret of those who follow that course, for a practice cluttered up with

slow pay and deadbeat accounts frequently is embarrassing to its owner because of his inability to meet his own obligations promptly.



Mrs. Edith K. Mitchell, Manager of the Professional Men's Credit Bureau of Detroit. Formerly in the employ of the credit departments of some of Detroit's largest retail stores, where she gained much valuable information, Mrs. Mitchell has been successful both in giving credit information and collecting accounts for many leading dentists and physicians of Detroit.

Funds collected by this bureau are turned over at once to the members. The reports throw a searchlight on the former conduct of new patients. They set forth clearly that many people who apply for credit are just plain deadbeats. They show also that many honest sons of toil are entitled to full consideration, when they ask for time on their accounts. Character and integrity are made known through such information.

The bureau's activities have further shown that professional men do much work for worthy poor people without charge.

Mrs. Mitchell possesses much tact and business instinct, and has won for herself many friends in Detroit professional circles.

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The Deaner Dental Institute

By M. M. HOUSE, D. D. S., Kansas City, Mo.

SINCE my association with the Deaner Institute of Kansas City, I have had many inquiries concerning the organization and purpose of the institution. It seems advisable

dentistry. One of the greatest handicaps in the development of the science of dentistry has been the lack of institutions where research is encouraged and made possible. Dr. Jordan felt that an institution such as he planned would afford the



The New Deaner Dental Institute

to furnish my confreres the facts through a note in ORAL HYGIENE, since no official announcement regarding the Institute has been given the dental profession.

Dr. W. H. Jordan of Kansas City, has for many years had a vision of a dental institution which will make possible the group co-operation of specialists in the various branches of

opportunity for advancement in such a way as can become best through the application of the principle of group co-ordination of dental specialists to a large volume of patients.

The institution would be largely an application of the basic idea of the Mayo Clinic to dental practice. Through such a medium the public could be served with the best

possible complete dental service and at the same time material and opportunity be afforded for research in every phase of dentistry.

Dr. Jordan had been outlining his plan to many fellow members of his profession and patients without receiving much encouragement, since a large amount of money would be necessary to perfect the idea.

In March 1920 he met an interested listener in the person of Dr. J. J. Deaner, of Okmulgee, Oklahoma, who had been referred for dental treatment. While doing the work Dr. Jordan unfolded his cherished plan. Dr. Deaner, after careful thought and consideration, stated that by reason of his training as a dentist he could visualize the great possibilities for dentistry in such a plan.

The plan and agreement whereby such an institution would become a realization was perfected, Dr. Jordan becoming institutional director and Dr. Deaner agreeing to be financial director and banker. Upon completion of this agreement the two went to Indianapolis, Indiana, to hold counsel with three of Dr. Deaner's college mates who were also friends of Dr. Jordan's—Drs. Carl D. Lucas, Ray Kibler and myself—regarding their plan, purpose and method of procedure. Incidentally they solicited our assistance and future counsel.

A beautiful site comprising five acres of ground on which was situated a large old man-

sion, ideal for transforming into their needs, was purchased at 3520 Broadway, and the inauguration of the institution became a reality.

The building was remodeled to accommodate the departments of radiography, bacteriology, general medicine as related to dentistry, crown and bridge work, operative dentistry, exodontia, periodontia, orthodontia, pedodontia, and full and partial dentures. A business office and dining room for lunches were also provided.

The institution has been in operation eighteen months and for some time has been far too small to accommodate demands. The original property was sold last December and a new site purchased. Plans have been perfected for a new building as shown in the blue prints and construction has begun. The new building will include an infirmary having fifteen chairs for needy children. All of the departments as at present organized will be enlarged. Departments of oral surgery, mechanical research and photography will be added. A library, lecture-room and two educational rooms for the benefit of the public and dental profession in the form of sight education, motion pictures, models, etc., are provided. The fourth floor will include ten hospital rooms and a children's ward. The building includes 33,000 square feet of floor space and is of fire-proof construction.

Research will be encouraged and opportunities provided for

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it in all departments. It is the desire of Dr. Deaner, and the institutional idea, to provide a place where any member of the dental profession may be assisted in working on any problem in which he may be interested and thereby add something to his chosen field of work.

Dr. Deaner is not actively engaged in dentistry. Fifteen years ago he became interested in the oil business in Oklahoma and has amassed a fortune which has made possible the financing of the present undertaking.

Having proved the possibilities of their ideal and in view of the rapid growth, Drs. Deaner and Jordan desired my full time in the institution in the capacity of organizational director and head of the full and partial denture department. Knowing the ideal set for the Institute and realizing the possibilities of the opportunities for work in such a broad field, I am here to put my best effort and support in this endeavor to test the value to dentistry and humanity of real group institutional service.

Early Man's Teeth Good

Remarkable preservation of teeth in one of the skulls recently taken from the Albany, Oregon, mounds by the University of Oregon geologists has led Dr. Edwin T. Hodge, professor of geology, to express his belief that the aborigines interred in the cemetery of the ancients on the banks of the Santiam river were not eaters of warm foodstuffs. The molars in the jawbone examined by Dr. Hodge, who has recently made a detailed study of the ancient men of Oregon, are worn very low, indicating that the remains are those of an aged human, but no traces of decay are visible.

Dr. Hodge has the opinion of dental experts to the effect that hot foodstuffs have a deteriorating reaction on the teeth of man. According to the geologist, it is a well-known fact that Indians found in America by early explorers had teeth remarkably preserved. It is probable, believes Dr. Hodge, that the aborigines of the Albany mounds used fire in the preparation of food, but since all the cooking was done in the open, the roughly prepared food cooled off before being eaten.

Close examination of the teeth in the Albany skulls reveals that the enamel edges are not jagged; a fact, in the opinion of Dr. Hodge, which indicated that the early man of Oregon was careful to exclude gritty material from his dinner dish.

—Eugene, Ore., *Register*



Oral Hygiene in St. Louis Schools

By H. F. D'OENCH, D. D. S., St. Louis, Mo.

AFTER five years of dental clinics in our public schools we feel that a resume of the work accomplished may be of interest.

The establishment of these clinics was made possible by the generosity of our friend, Mr. Geo. A. Meyer, who affords the necessary funds. The Board of Education co-operates by supplying a trained nurse assistant and housing, including heat, light, electricity, gas, water, also soap, towels and stationery.

The first clinic was opened on Dec. 10th, 1917, in the Central High School building, operating two dental chairs and complete equipment with each. One paid dentist, who gave full time to clinic work operated at one chair, the other chair being manned in the mornings by 110 volunteer members of the Saint Louis Dental Society and in the afternoons by selected senior students from the Washington University and St. Louis University Dental Schools. The faithfulness of students and hearty co-operation of our volunteer staff was greatly appreciated in this, the form-

ative first year. In subsequent years we were able to pay salaries to operators and therefore did not require the constant assistance of volunteers and students.

In February, 1921, the St. Louis Chapter of the American Red Cross volunteered to co-operate and voted an appropriation sufficient to double the clinic facilities. Mr. George Meyer pledged a like sum and the school authorities sanctioned the extension of the clinic service on the basis of the one then operating.

A clinic was then opened in the Taussig Open Air School, operating a single chair equipment, which was furnished by the Board of Education. On November 19, 1921, the Peabody School Clinic, financed by the St. Louis Chapter of the American Red Cross, and consisting of two chair equipments, was formally opened.

Our present facilities consist of three full-time clinics located respectively, at Central High School, known as the Meyer Dental Clinic, operating two chairs; The Taussig, operating one chair; and in the Peabody school, known as the Red Cross Clinic, operating two chairs.

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A discussion of mouth hygiene as related to general health does not come within the scope of this article. We take it that the widely published facts relating to the habitually unclean mouth and the consequences thereof are thoroughly understood. However, our experience over a period of years of clinic work for children convinces us that more will be accomplished for prevention of dental disease by teaching oral hygiene to all the children of the schools than by attempting reparative work for the selected few. In order to effectively reach the masses, this instruction should be introduced into the regular curriculum, as a standard subject of education. Our school authorities have authorized the inauguration of such instruction at our expense, but we have not found this method expedient at this period of our development, chiefly because of lack of properly qualified hygienists.

All children upon entering the clinic are given a prophylactic treatment, also a toothbrush, and are taught by the nurse in charge how to use it, with constant encouragement at subsequent visits. Such treatment is thoroughly inadequate because of its transient nature. If any lasting impression is to be made it must come in the schools with constant daily drilling.

At our present rate, 450 cases are completed annually by each operator. Fifty dentists would be required to

adequately treat the 22,500 indigent children in attendance at our public schools. With a corps of trained hygienists this number could be materially reduced. At present we are rendering service to but 10 per cent of the needy children of our city.

All grade school children under 16 years of age may be eligible for clinic service.

The school nurses, who are a part of the Department of Hygiene of the Board of Education, make personal investigation of families whose children attending public schools are found to have defective teeth. Upon finding the family income is less than \$5.00 per week per member, the children become eligible.

After having a "consent blank" signed by the parents or guardians, the school nurse telephones the clinic nurse for appointment to bring a group of children for treatment. The older children make subsequent visits unattended. The Board of Education pays the carfare of those who cannot bear this expense. No charge is made for service at the clinic.

The clinics are in operation full time for the ten months of the school term. The hours are daily from 9 to 12, 1 to 4 and Saturdays from 9 to 12.

Total amount of work accomplished at the dental clinics from Dec. 10, 1917, through June 14, 1922:

3942 Cleanings (Prophylactic treatments)
16037 fillings (silicate, amal-

gam, cement and gutta percha)

7832 temporary teeth extracted

2522 permanent teeth extracted.

10354 total number of teeth extracted

738 aching teeth treated

1404 root canal fillings

32475 total number of operations.

In the accomplishment of this work 4237 children were treated who made a total of 23102 visits to the clinics.

Our operations are necessarily limited for economic reasons. No prosthesis, gold

crown or bridge work or orthodontic operations are attempted. Parents are urged to have these operations performed at our University clinic, or if possible by men in private practice.

The further development of our clinics is dependent, of course, upon increased financial support. The system of placing clinics in neighborhoods wherein the adjacent population is most in need of this class of service is, in our judgment, more economic than a large central building, as a minimum of time is spent by nurses and children going to clinics and returning to their respective schools.

Overboard!

More than 200,000 reservations have been made on Atlantic steamers sailing from New York this summer. An interesting side light is revealed in the increased man power of the dental laboratories during the sailing season. Passengers who wear false teeth always have an extra set made for an ocean voyage. So many sets are lost at the rail, you know. Whoops, my dear!

—O. O. McIntyre, in "New York, Day by Day."

Down in the Mouth

A boy bit on a pebble in a piece of candy and broke off a tooth. Now the parents of the lad are suing the candy manufacturer for \$2500 damages. Juvenile molars have advanced in price along with sugar and open plumbing. There was a time when a healthy kid would permit a whole row of them to be knocked out for a dollar. No wonder that some of the dentists are charging \$8 or \$10 apiece for pulling teeth. It is worth all of that to even risk a caress of a \$2500 bicuspid.

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Dentistry for Lunch

By LOUIS KOPPEL, D. D. S., and
SAMUEL KOPPEL, D. D. S., Milwaukee, Wis.



AN I have my teeth cleaned for next Thursday, Doctor?"

"Why, surely, Loretta, what's coming off next Thursday?"

"The Boston Store dance. Aren't you going?"

"I wouldn't miss it for a dozen extractions. Please ask the committee to send us two tickets."

Dentistry with a smile and some humor, that has been the reason for the success of the Dental Department of the Boston Store Employees Mutual Benefit Association of Milwaukee.

The Boston Store has an average of over one thousand members, all of whom are eligible to join the M. B. A., the benefits of which are so great that few hesitate to take advantage of this service. The Boston Store M. B. A. gives to its members the services of a physician, a nurse and a chiropractor, all of whom have their headquarters in the store building. Members are privileged to have all prescriptions filled in the drug department without cost.

"Say, Doc, is my plate finished?"

"Yes, Mr. Birchard."

"That's good, I'm going to a

banquet tonight and I would like to try 'em out."

The members receive dental service in its entirety, the entire cost being carried by the M. B. A. The dental department was added to the benefits of this Association in February of 1922 and has been in operation fifteen months.

The dental work is done in nearly all cases during the employees' lunch hour. On the day that Tom, Dick or Mary has his or her dental appointment, he or she makes arrangements to spend at least thirty minutes with the dentist. As the dental office is in the adjoining building, this arrangement is very simple. In this manner neither employee or employer loses any time out of the working day.

During the twelve months ending January 31st, 1923, eighteen full mouth dentures were brought into use, and members of the Boston Store Association were happier for 163 teeth had been extracted; 422 prophylactic treatments were rendered during the year and 62 X-Ray pictures were taken. Ten more bridges are now doing yeoman service in the mouths of Association members via the dental department.

During the year two girls

were treated for Vincent's Angina (Trench Mouth) and 85 pyorrhea treatments were administered.

In doing work of this kind, one is made happier by the fact that a certain percentage of the service is rendered for some who otherwise could not afford proper dental service were it not for the Mutual Benefit Association.

The inauguration of workmen's compensation laws in the various states of the Union brought about the need of the physician in industry and with the physician, the nurse for the purpose of examination of new applicants and the care of those already employed. Later the dentist made his appearance in industry, at first as an experiment, but it was soon realized that this phase of medicine was no longer an experiment, but a dire necessity. Nearly everybody needed dental care in some form or other. At the end of the first

six months of the dental department's service Mr. B. W. Elsom, President of the Boston Store Employees' Association of Milwaukee, said: "We feel that during its first half year, the dental service has been a gratifying success."

W. A. Pearson of the Welfare Department of the National Cash Register Co. of Dayton, Ohio, said: "We realize that dentistry has been of material benefit to those employees who have received treatment, and without a doubt is as necessary as medical treatment."

Frederick H. Mills, Manager of the Industrial Service Department of the Kabo Corset Co. of Chicago, said: "We are pleased to state that we consider dentistry in industry as of more benefit than either medicine or surgery, as it is a preventative measure. The results of dentistry in our industry have in many ways exceeded our expectations."



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Report of Two Cases of Chronic Cystitis Due to Oral Infection

By KING S. PERRY, D. D. S., Pittsburgh, Pa.

MRS. C. P. presented herself on January 10th, 1923, with the following history: a case of chronic cystitis covering a period of fifteen years, which was preceded by an acute attack of rheumatism.

Oral conditions were apparently good until otherwise determined — five anterior roots carried crowns for twenty-five years, one bicuspid for ten years. Radiograms gave a definite showing of condensation of bone around the roots of teeth and adjacent structures—chronic osteomyelitis.

Chemical examination of urine showed a pronounced amount of indican, which would indicate intestinal putrefaction. After a careful compilation of data as well as a clinical study we determined to extract all the upper teeth, performing alveolectomy. Notwithstanding there was no evidence of pain, tenderness or swelling, and the teeth remained firmly imbedded in the alveolar processes after extracting fourteen teeth, performing alveolectomy as indicated, using nine sutures for retention. After operation the patient proved to be very

comfortable for the first ten or twelve hours. At the expiration of this period the symptoms flamed up as it were, resulting in a severe attack of cystitis; this was controlled by the administration of Urotropin, in five grain doses, three times daily for three days, thus gaining perfect control of conditions with the exception of a slight return of symptoms two weeks later, which yielded readily to the above treatment.

As an agent to build up resistance to the prevalent organism responsible for the cystitis in eighty per cent of cases, we used a mixed serum composed of colon, strepto, staphylo and pneumococcus in average dose. This patient, according to her own statement, is feeling fine, does not tire, and is not nearly so nervous, with a positive recovery from an undue drowsy condition, which was very trying at times.

This case yielded to the treatment as outlined, notwithstanding the patient had been under the care of a physician for some time (morphine was even resorted to as a palliative measure).

Case No. 2—Mrs. E. L., age 32 years, presented her-

self on January 17th, 1923, having considerable crown work and bridge of three teeth, giving a history of cystitis, dating back to an operation for appendicitis which was performed at that time.

After making radiograms of the teeth as well as a chemical examination of the urine we determined to extract all upper teeth as well as five lower teeth which were involved, resorting to alveolectomy, using eleven sutures for retention. Post-operative conditions were somewhat similar in this case as to the first, a flaming up of symptoms of bladder, which were controlled by Urotropin as cited in the first case, but using a straight colon vaccine in two hundred fifty million

per $\frac{1}{2}$ c. c. dose, three injections, with no return of the symptoms and a clearing up of a case of diabetic pyorrhea around the remaining lower teeth, which included proper surgical measures.

In conclusion, it is almost impossible for either medicine or dentistry to grasp the effect of adverse oral conditions on the human organism.

No intelligent diagnostician can afford to neglect the mouth. The dentist must see to it that the maxillary infection is eliminated as the important and primary factor of safety. To lose sight of this, or to attach undue importance to other items, is to fall short in both wisdom and the performance of duty.

New Dental Slogan

Clean Mouth for Every Child in Pennsylvania

Philadelphia, May 17—"A clean mouth for every child in Pennsylvania" was the slogan adopted today by the Pennsylvania State Dental Society at the closing session of its annual convention. Through a campaign to be conducted by the dentists in co-operation with the State Health Department it is hoped to organize a definite system of mouth hygiene.

"It is all important," said Dr. Emerson R. Sausser, retiring president of the society, "that we carry on a campaign of preventative education among children and women if we are to correct the sad state of affairs represented in the percentage of ailing teeth of the present generation.

"That the condition is alarming is shown in the survey of school children in this city. Out of the 200,000 children it was found there was an average of seven cavities to each child."



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Johnnie Bear and the Busy Bees

A Bed-Time Radio Story for Children

By ERNEST C. DYE, D. D. S., Greenville, S. C.

Dear Dr. McGee:

Since writing for your January issue an article entitled "Oral Hygiene and Prophylaxis in South Carolina", in which I advocated health talks over radio especially for the young, I have had a good many requests from different parts of the Union asking for these stories to be used in this manner; that is the reason for this one.

I trust that others interested in the young folks will also write for them. If we can get their attention, the desired effect will be attained.

—Ernest C. Dye, D. D. S.



ELL, children, did you ever hear the story of "Little Johnnie Bear and the Honey Bees?"

He was a good-natured, jolly little fellow; he liked to run, skip and play at jumping the rope, rolling a hoop, skating, or spinning a top; he could not be beaten, in fact Johnnie was the leader of all the little neighborhood bears, and what Johnnie did all the others thought was correct and proper.

Johnnie Bear lived in a great big hollow tree far back in the swamps, with Mamma and Daddy Bear; he was a pretty good cub, but he would not always do what his parents

told him, and one of these duties, that he was shy on, was keeping himself tidy.

Very seldom did he brush his teeth, but he would try to keep his face and hands passably clean.

Johnnie thought: "Well, what is the use; nobody will see my teeth unless I laugh very big, so I will let it go at that."

Daddy Bear would often come home laden with honey in the comb; he had robbed the bees, after climbing up near the top of a Sweet Gum tree where there was a hollowed-out place, large enough for these little workers to store their sweetmeats.

When Johnnie was out playing with the other cubs, his mamma would have to call him several times, for he did not like to quit his games and come in, but when she said, "Daddy has come and brought you something good to eat," Johnnie would drop everything and hurry into the house where mamma bear had white bread and honey waiting for him; when he had finished she would say, "Now Johnnie you know when you eat anything sweet, and leave it on your teeth they will decay, so be sure to brush them before you go to sleep." Sometimes he would do it, but quite often he was so tired when bed-time came he would forget, and Mamma Bear was so busy with the household duties that she would overlook it, too.

Daddy Bear had promised Johnnie to take him along to help rob the bees, so early one morning, he called his son, and taking a large tin bucket, they started off in the direction of the tall trees, which were several miles from home in the thickest part of the swamps. They tramped and tramped, and on nearing the thicket, Daddy Bear said, "You can't climb well enough to help me rob those bees." "Yes I can, Daddy," replied Johnnie, full of pep and enthusiasm, "You know that great big tall beech tree in Uncle Teddie Bear's back yard? Well I went clear up to the top of that yesterday."

"Well, cubby, you must be careful, you have a lot to learn

yet about climbing; I am afraid those bees will sting you; you must remember your skin is tender, while mine is tough, and then again the hair on my back is long and shaggy, while yours is short and not so thick. Those bees will certainly find your weak spots."

"Daddy I am not afraid of them; I'll show you that I am not; I'll keep close behind you and hold the bucket while you reach in the hole and pull out the honey."

"All right son, experience is a great teacher you know."

They were now close to the spot where Daddy Bear had marked the bee-tree.

"Well yonder it is; give me the bucket, you can't climb with it," said Daddy Bear, and slipping the handle over his forearm, he started up the Sweet Gum. Soon Johnnie was well on the way—up—up—up—they climbed. "Are you coming, son?" "You bet I am," replied Johnnie.

"Well here we are, you take the bucket."

"These bees certainly are enjoying this warm Spring weather," and with that he "soused" his paw deep into the bees' nest, and brought out a big chunk of comb, the honey streaming from it, and a cloud of bees swarming in every direction.

Johnnie had broken off a small limb and hung the bucket on the stub of it, so that he could have both hands free to help his father with the sweets. Soon the disturbed bees were crawling all over

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Johnnie's face, in his ears and hair; it seemed as if a million needles stuck him at the same moment.

"OUCH-OO-EE HELP! Oh, Daddy, I can't stand this!"

He slid down the tree so fast that he made a perfect shower of rotten limbs, bark, and moss. He hit the ground, running, the bees getting thicker and thicker. With every nerve and muscle strained, Johnnie made a mighty lunge into the creek, ker-splash. When his feet hit the bottom, he pushed up and came to the top; his "friends" were waiting for him; Johnnie dived and swam for shallow water and stuck just the end of his nose above the surface to get air, and waited until his pursuers had flown away. Then he came out, shook himself, and with both paws he rubbed the swollen places the stings had made; he saw his father coming with the bucket overflowing with honey, and a plenty of bees flying about. "Oh! my! my! there they are again!" he said, and dashed down the path in the direction of home; when Daddy Bear overtook him, all of the bees had disappeared, so he and Johnnie sat down and ate and ate and ate.

"How do you like robbing bees?" smilingly said the older one. "I think I'll take your advice next time, or wait until I am grown before I try it again."

When they arrived at home Johnnie was awfully tired and after eating a big supper of honey and biscuits (made from

white flour), he was soon asleep, dreaming of his wonderful experience.

About three o'clock in the morning he awoke crying, "Oh Mamma, Mamma, I'm in pain!"

"What's the trouble now? Got tummy ache from eating so much honey?"

"Oh, no! no! it's my tooth—it throbs and hurts. Oh my, my, such pain I never had before!"

After applying all the home remedies without effect, Daddy Bear decided to go for Old Doctor Bruin, the dentist. After trudging along for a mile he came upon his abode. He rapped and rapped and rapped; finally a voice was heard, "Who is that disturbing me this time of night?"

"It's me Doctor, Peter Bear. I want you to come to my cub Johnnie, he is just about crazy with the tooth-ache."

"I've got a good mind not to do it" replied the doctor in a gruff voice, "Why don't you have his teeth fixed in the day-time? I have to work too hard to have my rest broken this way. I'll be down there as soon as I can dress and get my medicine case."

When they arrived at Peter Bear's home, Johnnie was still crying, and Mamma Bear trying to ease him; Doctor Bruin soon mixed together some medicines, placed them in the tooth cavity, with a temporary filling, and Johnnie was soon asleep in his mother's lap.

Doctor Bruin told the parents that they should send Johnnie to the dentist at regular periods, and that they should have him brush his teeth every morning and night, that they should not permit him to eat so many sweets, to leave off the white bread, and use whole wheat bread and give him more leafy-top vegetables, and plenty of fruits and milk.

Johnnie went to Dr. Bruin the next afternoon and had his teeth polished, and put in

good order. He isn't afraid of the dentist now and claims that Dr. Bruin is his best friend; he likes to brush his teeth, and would you believe it, all the neighborhood cubs are brushing theirs, too?

"Say, Daddy, you believe that your cub Johnnie can climb a tree now, don't you?"

"Yes, son, and I also believe that he knows how to skin down a tree, too, and nearly knock all the water out of the creek, when the bees had covered him."

Another Dental Week Enthusiast

Editor ORAL HYGIENE:

In reply to your favor of April 28th, the writer concurs in the broad principle of an intensive campaign, and I believe if a board could adopt a number of epigrammatic phrases that would hit home pertinent facts—not, perhaps, clothed in the nicety of English, to suggest all the facts in retoothing neglect, it would perhaps impress itself or be impressed upon the mind of the public at large.

I believe the Detroit idea, or at least the work done in Detroit, will be far-reaching in its effect, active from a business standpoint for the profession at large and most active from an educational standpoint for the public.

Dr. Fred Bricker of the Rochester Dental Clinic has just attended the Detroit meeting and was most loud in his praises of the ideas as embodied by the advertising in Detroit. The profession has ever been weak in the dissemination of knowledge and if we could have some writer through such mediums as the *Saturday Evening Post*, the *Ladies' Home Journal*, or the *Associated Press*, as is done by certain medical writers, it would be more far-reaching in its effect than any other means I know of. If the writers would confine themselves to broad principles rather than to individual technique, try to disseminate truths and knowledge rather than self-aggrandizement, the matter of education would be, I think, reasonably easy to obtain in a few years. The dental profession lacks unity and co-ordination insofar as general good through collective means is concerned.

I am always with you in anything you undertake.

Hollywood Boulevard
at Cahuenga
Los Angeles, Calif.

Sincerely yours,

FRANK W. CHANDLER, D.D.S.



Elements of Disease Commonly Found in the Mouth Cavity

A Lay Lecture

By SAMUEL MONROE FRANK, D.D.S., New York, N. Y.

THE mouth is intimately connected with every other part of the body by means of the arterial, venous and nervous systems. Each tooth is served by a branch of all of these systems. Through the arterial system the teeth receive their nourishment; through the venous system the teeth get rid of their waste products and through the nervous system sensation is transmitted to and from the teeth. If there are present in the teeth infective germs and diseased tissue the outgoing blood may pick these elements up, carrying them to other parts of the body where they may be deposited in various organs, producing disease of those organs.

The mouth is the gateway to the body.

Through the mouth the body receives its nourishment. Through it also enter those elements which produce disease.

There are but two great ways in which those factors which cause disease may enter the system, to wit, through

the mouth or through a break in the skin. Ninety per cent of diseases enter the body through the mouth. It will, therefore, be seen how very important it is to keep the mouth in a clean, healthy condition.

It has been estimated that in the normal, average mouth there are present, just before brushing, a hundred million germs of various varieties. Immediately after cleaning with the toothbrush these micro-organisms are reduced to approximately one million.

It might at this point be said, and with reason, that even after cleaning the teeth there still remain elements of disease. That is true and that point is well made and well taken. But the fact is that these germs have been reduced to one per cent of their former number. And one is, therefore, 99 per cent less exposed to disease after cleansing of the teeth and of the soft tissues of the mouth, such as the gums and tongue. Or, to put it in another way, the mouth and teeth are 99 per cent cleaner after brushing.

There should be in every

healthy adult mouth thirty-two perfect teeth. They erupt at approximately the following ages:

First molar, 6th-8th year;
Central incisor, 7th-9th year;
Lateral incisor, 8th-10th year;
First bicuspid, 9th-11th year;
Second bicuspid, 10th-12th year;
Cuspid, 11th-13th year;
Second molar, 12th-14th year;
Third molar, 16th-45th year;

As is well known, the central and lateral incisors are located in the front of the mouth. The next tooth is the cuspid or canine tooth, commonly called the eye tooth in the upper jaw and the stomach tooth in the lower jaw. The next two teeth going toward the back of the mouth are called the first and second bicuspid, so named because each of them has two cusps or eminences. They are also referred to as the premolars. The next three teeth are the farthest back in the mouth and are referred to as the first, second and third molars respectively. The first of these is the most important tooth and is the foundation from which all the other teeth assume their position. The last of these, the third molar, is commonly called the wisdom tooth. It is the last tooth to erupt, and sometimes does not erupt at all.

The function of the front or incisor teeth is to grasp the food and cut it as it enters the mouth. The cuspids tear the food and the remaining teeth crush the food and thoroughly mix it with saliva. The tongue aids this latter process by

throwing the food from side to side. The saliva contains a substance called ptyalin and it is this substance which performs the first step in the digestion and preparation of food into such elements that it may be used by the body to maintain its vital processes.

It will be readily seen from this fragmentary statement how vitally necessary it is to keep the mouth and teeth clean so that food entering the mouth will not be contaminated with harmful germs or the waste products of germs. These waste products are poisonous. One would not intentionally mix a spoonful of garbage with his food. Putting clean food into an unclean mouth is equivalent to doing this very thing.

To efficiently masticate and properly prepare food for its reception by the stomach a full set of teeth is necessary. For it must be remembered that every step that is left undone in the mouth must be accomplished after the morsel of food reaches the stomach. This additional burden the stomach was not intended to assume, nor will it assume any such burden. Every added duty which the stomach is asked to perform makes it just that much less capable of performing its own normal functions. The stomach may appear to be doing its own work and also making up for omissions of mastication, but it will be followed by deranged stomach functions and a lack of co-ordination on the part of

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other organs. The reason is that in truth and in fact the food has not reached these organs in the form in which it should to be used to its fullest advantage. Therefore, bear in mind the absolute necessity for a full complement of teeth to properly present the food to the stomach thoroughly masticated.

We now come to the subject of caries or decay, that universal, ever present plague of the teeth. 95 per cent of the people have decay in their mouths. 99 per cent of children who fail in their lessons show decayed teeth.

It can be said, therefore, with substantial accuracy, that not one human mouth is entirely free of decay. Think of it, in this day and age, with all our wonderful inventions, with man's great ingenuity, with our present state of civilization, there is still in the mouth of every man, woman and child that potential element of all manner of bodily ills.

The eyesight is affected by decayed and abscessed teeth, either through the blood stream directly or by pressure caused by the swollen part. The kidneys are affected by being taxed by the delivery to them of an extra amount of poisons which are manufactured through improper functions in the mouth. Heart trouble may be caused by the deposition in the membranes of poisonous materials, making the muscles of the heart function improperly. Head-

ache is caused in a similar way by abnormal conditions of the blood or nervous system. Fevers not only can be caused by the condition of the teeth, but fevers, when caused by direct infection, in turn, deteriorate the teeth. Diseased membranes of the mouth are made worse by lack of mouth hygiene. Examples of this are pyorrhea, stomatitis and trench mouth.

The remedy for all this is simple. Every dentist must preach mouth hygiene and every living person must practice it.

What is tooth decay? What are its causes? How may decay be avoided or diminished? Tooth decay is the disintegration or breaking down of tooth structure. That is simple, but its process is complex. It is caused by the micro-organisms in the mouth. How? The micro-organisms or germs or bacteria—call them what you will—feed on remnants of food which are left in the mouth. The germs decompose the food and form lactic acid. This lactic acid is what dissolves the enamel which covers the teeth, causing a break in the enamel.

The micro-organisms enter this break and continue their work of destruction until they reach through the dentine, which is the layer underneath the enamel and contains nerve endings. Here the process continues and putrefaction sets in and the main nerve is exposed and attacked and the condition now becomes in-

flammatory. Very often there is no pain until this stage of decay has been reached, so that the unhappy victim has had no notice of impending trouble. Hence the necessity for periodical visits to the family dentist even if there is no apparent necessity for attention. After decay has reached the nerve, it becomes painful and the tooth quite often is extracted.

Under present living conditions we may not be able to avoid tooth decay altogether, but we can prevent most of it, and we can minimize what we cannot prevent. It is my purpose to tell you how. Please bear in mind that merely knowing the principles of prevention will not suffice. But it is only the application of those principles, the daily, persistent application of those principles, that will keep your 32 teeth with you through life. If you had 32 wonderful diamonds you would undoubtedly take care of them. The economic value of your 32 teeth is far greater than all the diamonds that were ever mined by man or worn by woman.

The teeth should be brushed with a stiff toothbrush after every meal, before going to bed and on rising. That makes five times a day. If it is inconvenient to brush the teeth after each meal, then do not omit the night brushing and the morning brushing. The tongue and hard palate should also be brushed. After brushing, the mouth should be

thoroughly rinsed with lime water, or some other mouth wash, to remove such debris as has been dislodged by the brush.

The brush, with powder or paste, should be placed on the gum and swept toward the teeth with a twisting movement of the wrist. In other words, the upper teeth are brushed downward and the lower teeth upward. This movement not only cleans the teeth, but massages the gums as well, and removes from the gum margin any food debris which may be lying upon or within it. This wrist movement in brushing is awkward at first, but one soon becomes accustomed to it. The use of the toothpick is to be condemned, as in its use the gum tissue is injured and its injury may be the first step in the acquisition of pyorrhea or Riggs disease. This disease is present in the mouths of a great many people. It is a disease of the gums, and not of the teeth and causes loosening of the teeth and eventual loss if not treated in time. Pyorrhea is curable in its early manifestations and may easily be checked in skilled professional hands. In its later stages the only way to cure the disease is to remove the adjacent teeth. Instead of a toothpick, therefore, use dental floss gently forced between the teeth. This will efficiently clean these surfaces.

To avoid tooth troubles the dentist should be visited at least twice a year.



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An Oral Hygiene Clinic in a High School

By I. MILBERG, D. D. S., Brooklyn, New York



As far as I know, it is the first oral hygiene clinic in a high school in Brooklyn. A short history of the manner of establishing the clinic might be of interest to the profession.

Dr. William Felter, Principal of Girls' High School, Brooklyn, N. Y., and Miss Caroline Wollaston, Director of Physical Training and General Hygiene at the same institution, deserve high praise for their untiring efforts in behalf of the clinic.

For the last four years Dr. William Felter and Miss Caroline Wollaston had been pleading with the educational authorities for the proper authorization to establish an oral hygiene clinic in Girls' High School.

This year their efforts were crowned with success.

Having obtained the permission of the educational authorities, Dr. Felter and Miss Wollaston consulted with Dr. Thaddeus P. Hyatt, head of the Dental Department of the Metropolitan Life Insurance Co., and one of the greatest authorities on oral hygiene in this country. Having intrusted the matter to so

competent an authority, they wisely left it entirely to his discretion.

Dr. Hyatt did all in his power to make this first oral hygiene clinic a success. He personally ordered the proper equipment and set about to find the best oral hygienist obtainable.

At present the clinic is employing Miss F. M. Marantz, D. H., Columbia graduate of the first class of oral hygiene in 1917. She had extensive experience in treating children in the public schools of Westchester and Nassau Counties, where the work was conducted by the respective local chapters of the American Red Cross, as well as in public schools in this city.

The initial funds necessary for the equipment of the clinic were furnished by the Loyal League, a school organization supported by the students of the institution. This organization also pays the salary of the oral hygienist.

The patients pay a nominal sum for treatment—that is, \$1.50 for a thorough prophylactic treatment. The funds thus collected are deposited in the name of the Loyal League.

The oral hygiene clinic is a

decided success, due to the combined efforts of Dr. William Felter, the Principal, Dr. Thadeus P. Hyatt, Miss Caroline Wollaston and Miss F. M. Marantz, who are contributing their best efforts to the cause.

The students of the Girls' High School are very proud to be the pioneers in this important health activity and take a lively interest in their oral hygiene clinic.

Many of the Brooklyn high schools are watching the experiment with keen interest and are only waiting for an opportunity to follow suit. Many inquiries from high schools as to the method of establishing and operation of

the clinic are received and cheerfully answered.

It is a pity however, that such important work should have been neglected by the city and state health authorities and left to private initiative. Let us hope that the health authorities will now realize the importance of oral hygiene to the population in general and to the younger generation of school children in particular and will establish a free oral hygiene clinic in each elementary public school and high school of the city and state. The time is fast approaching when oral hygiene clinics will be as much a part of the school as the teaching of the three R's is now.

American Dental Golf Association

The fourth annual tournament of the American Dental Golf Association will be held in Cleveland, September 10th, 1923.

Banquet will be held on Sunday September 9th, in the Rainbow Room, Hotel Winton.

Many events are planned, prizes have been donated and the usual fellowship is anticipated.

Make reservations now and for any particulars communicate with.

J. A. LOUGHRY SEC.,-TREAS.
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Oral Hygiene in Virginia

By N. TALLEY BALLOU, D. D. S., Richmond, Va.

Director of Mouth Hygiene, State Board of Health.



VIRGINIA has for years recognized the importance of mouth hygiene as one of the fundamental phases of public health. About eight years ago an amendment was made to the law creating the State Board of Health which provided that a dentist should be appointed as a member of this board.

In the beginning, the Virginia State Dental Association was approached officially as to its attitude towards emphasizing dentistry as a part of health work, and was asked for suggestions as to how such an effort should be inaugurated. The Association recommended that a survey of the need of public health dental clinics and of the attitude of the profession towards this innovation be ascertained. A survey was made covering 70 of the 100 counties in the State; conferences were held with members of the dental and medical professions, nurses, school teachers, school superintendents and health officers, and it was found that virtually all of these people were favorably inclined towards this work, and thereupon the Association recommended the appointment of a

full-time director to organize and develop it.

The Board of Health then appointed the writer to organize and develop the plan. Realizing that the use of familiar nomenclature should be used in dealing with our people, it was decided that this Bureau should be known as the Bureau of Mouth Hygiene and its head as the Director of Mouth Hygiene. From this beginning there has been developed a force composed of:

A full-time Director.

A full-time Secretary.

Ten full-time clinicians devoting their entire time to work in the rural schools.

One full-time clinician devoting his whole time to work in the three tuberculosis sanatoria.

In the very beginning, three important questions came up to be decided, because the State had agreed to pay one-half of the cost of the clinics, viz.:

(1) *What children should receive the benefits of the clinics.* After conferences with dentists, nurses and school authorities, it was decided to take the children in the schools between the ages of six and twelve, inclusive, or in graded schools through the 6th grade, realizing that this is the period in the child's life when the

most good can be accomplished from a dental standpoint.

(2) *Whether or not the children should bear any part of the cost of the clinic.* It was decided that a small sum should be contributed for each operation where the parents were able to do so, but that no child was to be refused treatment because of inability to pay.

(3) *How to get the work done.* Two full-time clinicians were employed. They started work in two counties, one in the Tidewater section and the other in the mountains in the western portion of the State. In two other counties public health nurses took the children to the dentists' offices, while in others local dentists were employed by the day to go to the schools. After a careful analysis of the results from these three methods, it was decided to abandon the last two for the following reasons: it was impracticable to get to the dentist's office those children living at a distance from the local dentists, and these were really the ones who should receive the benefits of the clinic. It was found that the dentist who agreed to visit the schools for one or more days very often had to break the engagement because of emergency calls made on him by his regular patients who could not be ignored. It was found difficult at first to secure sufficient men to run the few clinics contemplated, because, possibly, of the belief that it was only a temporary

movement and would die a natural death in a short time.

When this department was organized, the State was paying one-half of the gross cost of such clinics as had been conducted, the other one-half being paid by the counties, and had agreed to settle on this basis for all the clinics promised up to March 1, 1922. Due to the fact that on that date only approximately one-third of the amount necessary to carry on the work for the year as outlined was available, it was found necessary to require all of the counties holding clinics to account to the State for the fees collected, and all settlements made since March 1, 1922, have been on the basis of one-half of the net cost of the clinic.

Selecting at random a clinic which is running now in Loudoun County:

At a meeting of the health workers held recently, the nurse reported:

Number children treated.	426
Number of operations.	1777
Amount paid clinician.	\$820.60
Amount paid for material	\$110.81
Total cost of clinic.	\$930.41
Less fees collected.	\$483.00

Net cost of clinic.	\$447.41
Cost to State.	\$223.70

From this you can see that the total gross cost per child is \$2.16, net cost per child \$1.05, gross cost per operation 52 cents, and net cost per operation 25 cents. In this clinic we used a young lady who graduated in dentistry

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last June, and this is the first practical work she has ever done. In addition to this young lady we have in this department another woman dentist working in another county. This is a promising field for women who wish to enter professional life. One of our clinicians is a negro who takes care of the negroes' work.

In addition to the clinics conducted in the schools, we have a phase of health work of which Virginia is very proud. Through the efforts of the dental member of the State Board of Health, appropriations were made to the tuberculosis sanatoria for dental work. There are three of these institutions in the State, with a combined capacity of approximately 600 beds. The clinician divides his time among these three institutions in proportion to the number of beds, making his rounds every six weeks. As this work was only started recently we have no comparative data at present.

In addition to taking care of the rural schools, our clinicians are also taking care of the mouths of the inmates of the deaf, dumb and blind school, the reformatory for boys, and such orphanages as ask our assistance.

Some work is being done in the State Insane Asylums and the State Penitentiary. It is expected in the near future to group all State Institutions under this Department and pursue the work in a systematic manner.

The profession in the State is co-operating, and the Association at its last meeting made an appropriation to defray the cost of some additional publicity. The Association has a permanent Mouth Hygiene Committee composed of nine members, three of which are appointed every year, and the Director of Mouth Hygiene is a permanent member of this Committee. This Committee co-operated with the Director in giving lectures on mouth hygiene whenever called upon.

In addition to the clinics, the Director has been giving such publicity as is possible by giving lectures before mothers' clubs and other organizations. The same law under which the dental clinics were started provides that the teachers in the public schools shall make a *physical inspection* of the children entrusted to their care at least once a year, and in order to fit themselves for this work, they are required to take a course in school hygiene, preventive medicine and physical inspection, consisting of 30 hours.

One lecture of the course is on mouth hygiene and is delivered by the Director of Mouth Hygiene at the summer schools for teachers; also at some time during the regular sessions of all State Normal Schools, the University of Virginia, William & Mary College, and other teacher-training institutions. The law provides that after September 1, 1925, no teacher shall be allowed to teach in the schools

of Virginia who has not satisfactorily completed this course.

While there has been some criticism of this Act, we have found that a wonderful amount of good has already been done by carrying out its provisions. The inspection required is only such as will detect defective hearing, vision, teeth, height and weight, and other obvious conditions. The records show that about 60 per cent have defective teeth.

The health work in the cities is not directly under the State Board of Health, hence the Director has no supervision of the work at present. Seven of our leading cities, however, have either full-time or part-time dental clinics, and several others are preparing to establish them.

The program for 1924 is an elaboration of the program outlined for 1923 and of the previous years.

American Dental Trapshooters' Association

The First Annual Tournament of the American Dental Trapshooters' Association will be held at Cleveland, Ohio, September 10th, 1923. Dr. Marcus L. Ward, Ann Arbor, Michigan, is President and Dr. Jno. D. Millikin, San Francisco, California, is Vice-President, of the Association.

The Trapshooters of the American Dental Association will be interested to know that the grounds of the Northern Ohio Gun Club at the foot of 49th St., Cleveland, Ohio, will be open for practice Sunday, September 9th, 1923 at 1 p. m. for all who wish to practice before the Tournament which will start at 1 p. m. Monday, September 10th, 1923. The Tournament will consist of:

4—25 Target events, 16 yds. rise.

Each 25 Target event will be a race and suitable trophies will be awarded to high scores in each 25 Target event. A championship cup will be awarded to the contestant making the highest score on the total 100 targets (4—25 Target events.) Ties will be shot off at 25 Targets immediately, after the close of the 100 Target event.

The winner of this Championship Cup will not be eligible to win any of the trophies in the 25 Target events.

Should the contestants so desire, an optional sweepstake will be arranged at the time of making entries. A good assortment of loaded shells will be for sale on the grounds at regular prices.

Through the courtesy of the Dupont Powder Co. and the Winchester Repeating Arms Co., Mr. L. J. Squire and Mr. Jno. R. Taylor will manage this Tournament.

C. W. MILLS, Secretary,
Chillicothe, Ohio.

In the Editor's Mail

Editor ORAL HYGIENE:

Congratulations for your efforts in behalf of humanity and the systematic way in which you are awakening our profession to the realization and necessity of oral hygiene for the masses. An awakening is here, and God speed the day when every man that wields the mouth mirror and explorer will begin to see that he has a greater and deeper debt to humanity than merely building up the broken-down masticating organs of the human system receiving in return a paltry pittance of monetary remuneration as his reward.

We must and are compelled to preach and teach prevention, if, as doctors of dental surgery, we wish to be alert to the "signs of the times." "Onward and Upward" should be our slogan—onward to a greater degree of perfection and upward to a goal of highest perfection in all that pertains to our art of relieving and healing mankind.

Dentistry is coming into its own and surely we must and will place our banner among those that are planted on the bulwarks of progress. Selfishness must be a thing of the past, for only by whole-hearted, unselfish motives will we accomplish our purpose. Selfish

motives, of which those of our profession are too often accused, must be dismembered. We must educate the public that our motives are being carried beyond a selfish degree, and in so doing we will elevate the standard of our profession beyond the realm of "tooth carpenters," a period through which we have so patiently passed.

The unrefuted facts bearing upon the relation of diseases of the mouth and teeth as a prolific source of infection to other parts of the human system, are being proclaimed both by the medical profession and the laity:

Let us not forget to be conservative at all times—not faddists—thereby gaining the confidence of those, the practitioners of medicine, who must travel side by side with us in curing and preventing the ills of humanity.

B. A. Lester, D. D. S.,
Norfolk, Va.

Dr. Lester sends ORAL HYGIENE the following copy of a letter interesting to all engaged in oral hygiene education:

Dr. P. S. Schenck,
Health Commissioner,
Norfolk, Va.

Dear Sir:

The following motion was voted

upon and carried by the Tidewater Dental Society at its regular meeting held on November 16, 1922:

"That the chair appoint a committee of three to interview Dr. P. S. Schenck, the Commissioner of Health, relative to the establishment of a fully equipped dental infirmary with the services of a full-time dentist, and that this committee point out to him the paramount necessity of such; and that we feel that our profession should be given its just recognition upon the Health Department staff, pertaining to the examining of the city school children."

Whereupon we were appointed the committee to interview you as Health Commissioner, relative to said motion. This we did on Monday, November 20, 1922.

The result of the interview was:

You asked that we submit you a tentative plan covering a full-time dental clinic for our city, under the supervision of one of our profession bearing chiefly upon services to be rendered the children in our city schools.

After careful investigation relative to the workings of dental clinics, either in conjunction with the Health Department, Board of Education, voluntarily, or independently in the various cities and counties of our Country, we find that the creation of a Dental Clinic, with a competent Dental Surgeon in charge, to be the best plan, considering the geography of our city.

In verification of this, we submit you the findings of Harvey J. Burkhart, D. D. S., director of the Rochester, N. Y., Dental Dispensary, as follows:

"From my own experience and that of others who have had to do with the practical management of dental clinics, there is no question but that the central dental clinic is a proper one for a city the size of Rochester. It could be centrally located and easy of access by car lines."

The Dental Surgeon in charge of the Central Dental Clinic should be supervisor of the Dental Unit of our Health Department and should, at all times, or until otherwise designated, be under the jurisdiction of the head of the Health Department of our city, insofar as the conduct of his office is concerned; consult with him as to the

welfare of his department and the performance of his duties and the duties of his assistants.

Under the dental supervisor located at the Central Dental Clinic, should be a Dental Surgeon, or a graduate woman Oral Hygienist in the schools, whose duty it would be to supervise the work among the children and prepare, in the necessary routine, all children to be sent to the Central Dental Clinic. Under the Supervisor, and as assistant to the second named, should be at least three young women to carry out the routine work as promulgated by him, or her, such as examinations, recording, appointments, oral hygiene talks, prophylaxis, tooth brush drills, etc. At the beginning of each school term, as soon thereafter as practicable, the force named, comprising the Dental Unit, should be augmented by three (3) additional Dental Surgeons, as dental examiners, that the oral defects of the children may be systematically recorded, thereby simplifying the follow-up work of the Surgeon, or Oral Hygienist, with his, or her assistants.

We believe that the permanent staff of five (5) comprising the Dental Unit, with the three (3) additional examiners, will be sufficient to make the necessary oral examinations of the white children of our schools each school term, in a period of three weeks, after which the follow-up by the Dental Surgeon, or Oral Hygienist with his, or her staff, could systematically work the worthy scholars, or children needing dental services, by appointment, with the consent of parent, or guardian, into the Central Dental Clinic for the necessary treatment.

The plan we submit covers the white children in the schools of our city; but in submitting this plan we are not unmindful of the children in the colored schools. We are not acquainted with the present arrangement of caring for these children. We are of the opinion, however, that the present facilities, or arrangement should be enlarged in proportion to the requirements that would appropriately care for the health of these children from an oral standpoint, since they constitute a large per cent of the school population of our city.

We are conscious of the fact that to inaugurate the plan which we have outlined, it will require a slight additional expenditure of the tax-payer's money and an increase of the appropriation to your Department. But knowing your eagerness to create and build up the Department of Health of our city, on a par with, or even better than cities of our Country of the same population and standing, we feel that you can conscientiously approve the plea of the Tidewater Dental Society for the replacement and enlargement of the present part-time dental clinic to that of one city-owned and controlled, working upon the plan hereby presented you, which will conserve and build up the health of the children in our schools—our future citizens—to a more definite degree of perfection than the present facilities at your command allows.

Believing this to be your desire, we take pleasure in submitting for your consideration some statistics gathered directly from dental clinics that have been and are now being conducted in other cities of our Country, where the importance of dental repair and mouth hygiene are considered two of the most essential parts in maintaining and conserving the health of their communities, and who realize that the only place where every family can be reached is in the schools.

Trusting that you will give this your careful consideration and that the appended statistics bearing upon the plan submitted, will convince you that we are seeking only what our city requires and should have, we are

Respectfully yours,

Signed

B. A. Lester	} Committee.
W. H. Pearson	
R. H. Walker	

Editor ORAL HYGIENE:

The short article in May number of your excellent magazine entitled, "Don't Be An Ancient Dentist," has an air of "cocksureness" about it, that I do not like. It seems to me a mistake to assume that

we have progressed as far as the doctor thinks we have.

Our progress has not been uniform all along the line! At not a few points it seems to me that we have fallen back and in more or less disorder.

In money-making, the profession has advanced. Yes! And so far advanced that I do not see how the masses of the people will be able to get service from us, if that particular advance continues. In Fraternity we have not advanced! In fact (and here I know many of my excellent ethical friends will disagree with me!) there never was a time when more slurring statements and back-biting remarks were being made by dentists about the work and ability of other dentists than right now. I may be wrong. I hope I am.

Now about the "Ancient Dentists!" We cannot all remain young forever. I do not know the age of the doctor whose article I am criticizing but, assuming he is now 40, to our young graduates of 24 and 25, he is an "ancient" just as we men of 55 and 60 are, to him, in the ancient class. (Our "ancients" are the "few last leaves on the tree," of 70 and 75).

I maintain that the one big thing that goes to make a man efficient is *experience* and how can a man gain that except through the finger of time? His *training* is important, of course, but I much doubt that a dental student's training is any better, if as good, as it was 40 and 50 years

ago. Then he became indentured to a dentist under whose close personal observation he remained for several years. If the student was unfitted, the fact was soon discovered and he was politely dropped. Dentists were not regarded as mechanics in those days but were usually among the leading citizens of their respective towns, and generally, men who rendered *real* service to the people among whom they lived.

"Experiments" are all right and we have had many of them, most of which were fads for a day. Let us not delude ourselves that we are so wonderfully smart and that the *ancients* were and are nothing but a lot of moss-backs.

A. M. HUDSON, D.D.S.
1548 Belmont Avenue
Chicago, Ill.

Editor ORAL HYGIENE:

We are a winning profession through the efforts of the pioneers of Dentistry; in the old days they associated us with barbers and servants and it took a long and patient drill of those splendid gentlemen of the earlier days of dentistry to get the American people to recognize us, except under the term of tooth carpenters.

To-day we are part of a broad professional movement.

We are not carpenters, we are surgeons. Wise men who know the body, generally listen to us, when the trouble is in the mouth, we reform its confirmation and make the

maid and the bachelor pleasant to each other.

We have by patient effort and infinite skill so comforted people in pain that the whole community now acclaims us surgeons and doctors.

The above ventilation is the answer to the police advertisement in ORAL HYGIENE that tends to sterilize the standing of Dentistry and reduce it to a detective agency.

Surely, it was an awkward move in view of the trend to associate Dentistry with Medicine and it behooves your magazine to restore the confidence between Dentist and patient.

Very truly,
JAMES FREDERICK COLL,
Dentist
2001 Pine St., Philadelphia

Editor's Note

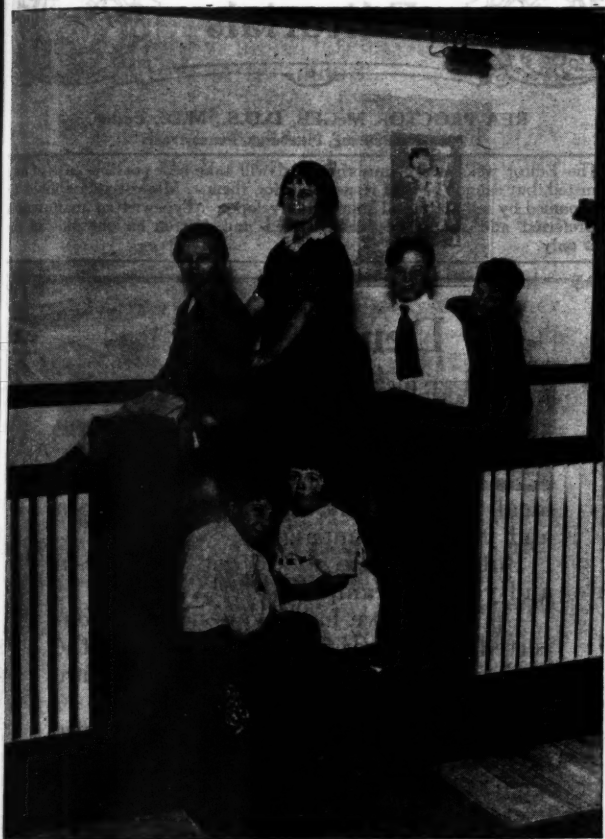
Just how it is possible for you to take exception to the aid which we gave the police in looking for a very widely known criminal is a mystery to me. If you think that criminology is not a medical subject, I suggest that you look into the works of Lombroso and Jung. It is a very interesting fact that many identifications have been made through mouth records and the more that we can connect the practice of dentistry with the necessary affairs of the community, the better it will be for the profession.

I might say that the whole community does not acclaim us either as surgeons or doctors and I might say further, that the practice of medicine some years ago was in a much more deplorable condition than we find ourselves, in fact if we omit a lot of false pride and make ourselves useful in the field in which we have chosen to work, I think our standing will never have the slightest obstacle put in its way.

—Rea Proctor McGee.

Copyright

Here are children. is bright furnished to frighten students



Copyright Underwood & Underwood

Novel Dental Clinic for Children

Here are some pictures of Northwestern University's new and novel dental clinic for children. The waiting room, instead of being the conventional cold and heartless sort, is bright and airy, decorated with a frieze of familiar "Mother Goose" figures and furnished with toys, sand boxes and slides. On the child's first visit, nothing is done to frighten him in any way; he is merely examined in one of the two small chairs provided for the purpose, and the actual work is done later in the clinic room by senior students of the school under expert supervision.

Editorials

REA PROCTOR McGEE, D.D.S., M.D., *Editor*

212 Jenkins Building, Pittsburgh, Pennsylvania

The Editor welcomes manuscripts and will take best possible care of any submitted, but cannot be held responsible for them. Manuscripts should be accompanied by self-addressed stamped envelopes. Typewritten manuscripts are preferred and should be double-spaced and written on one side of the paper only.

Dental Week

IT is very true that the spasmodic effort to enlighten the public on dental needs of the community and of the individual is not so ideal as an intensive every-day, year-in and year-out campaign.

But, where are we to get the year-in and year-out campaign?

Up to now we have done no such concerted work as that required for the nation-wide observance of Dental Welfare Week.

It is also pointed out that we must use great care in our methods of publicity. That is true and it is certain that we must exercise the greatest fore-thought and caution in what we say and how we say it when teaching the public that the mouth is the gateway to health.

Now that we are agreed upon the ethics to be observed—let us consider the good we can do.

Every child in America and every adult in America, dentists included, would be

benefited by more intelligent and persistent care of the mouth.

That is the whole story.

Whatever we have to say must drive toward that proposition. Let us unite all of our energies to tell the people, all at once and altogether for one week, this great truth.

The effort to truly educate the people for one week will carry us far into other weeks, if every society will provide through its oral hygiene committee the local energy and intelligence that will co-operate with the state oral hygiene committees and if every state association will direct their oral hygiene committee to work with the Oral Hygiene Section of the American Dental Association, this big idea that was originated and first tried in Detroit, will become a great national event of the most wide-reaching benefit.

Here is an opportunity for the dental profession to add to its achievements a work that will knit more intimately the work of the A. D. A. with the efforts of every state and local group of far-seeing, clear-thinking, public-benefiting dentists.

Will you insist that your delegates to the national meeting give the most careful and conscientious consideration to National Dental Welfare Week in order that this successful local effort may be equally successful as a national educational measure?

Mr. Kipling, Also



IN his story of "The Irish Guards" where he tells the gripping tale of the early days of the War—Mr. Kipling makes his sergeant in the front line trenches say: "A man with a sore tooth is a nuisance an' a danger to the whole British Army."

There was never a truer statement—and the geographical limit can be removed. A man, woman or child with a sore tooth is a nuisance to himself and herself and everybody else as well as a danger individually and collectively.

It is up to us to eliminate so far as possible every sore tooth in America. The best way to eliminate sore teeth is to so teach and treat the public that sore teeth will not be sore teeth, but will be sound, comfortable, useful, self-respecting teeth.

The messages of mouth hygiene driven home to the people will do more to discourage soreness among teeth than we can do with all our hard work after the trouble has started. The best way to eliminate sore teeth is to keep them in good health.

The Step?



THE dental profession is divided upon the wide subject of focal infection.

All of us are agreed upon one

point and that is that infection must be eradicated.

The division of opinion is based upon how eradication of infection is to be accomplished. Some are in favor of the immediate removal of all teeth that are proved to be septic. Some are opposed to the removal of teeth for any reason.

There are many of us who try to take a sensible middle ground, but even with our best efforts to do the right thing for our patients, there is always regret in removing teeth that fail to respond to treatment and also fear that extreme conservation may result in continued general infection.

When we first realized the fact that the mouth and its contents could not successfully be detached from the rest of the body and treated without reference to the general human anatomy, we were under the impression that focal infection was more frequent from large radiolucent areas than from small and apparently insignificant areas.

Experience has shown that general infection does not necessarily follow apparently large localized areas of pus. This is because the efforts of Nature to wall off these areas have been successful but—we find small areas in which the chances for cure of the local condition look favorable in which the end result of treatment is failure.

These minute areas are usually the worst offenders in the mouth so far as

Laffodontia

If you have a story that appeals to you as funny, send it in to the editor. He *may* print it—but he won't send it back.

FAIR ONE: "Officer, arrest this man! He has been trying to flirt with me."

MERE MAN: "What! Her! Why officer, I wouldn't flirt with her for a million dollars."

FAIR ONE: "Now, officer, you simply must arrest this man. He has insulted me."

PA: "I've bought a new tin rattler for the baby."

MA: "Why, John, it will be at least fifteen years before he will be able to drive a car!"

"That saloon next to the police station is doing the biggest business in town."

"It ought to—it has the best protection."

CURIOUS LUNATIC: "Why did they send you here?"

HUMOROUS LUNATIC: "For no reason whatever."

WINTER GUEST (in wilds of New Hampshire to keeper of country store): "Have you any tooth brushes?"

STOREKEEPER: "No, we don't keep any of them summer novelties."

Mrs. Wordy visited the Bronx Zoo and a keeper, with much awe in his voice, informed her that the turtle at which she was gazing was three hundred years old.

"I suppose that's awfully old," she responded, "but it looks just like a big rock anyway, so what difference does it make?"

"Boy, does yo' get a letter from de Ku Kluxes, what yo' gwine do wid it?"
"Read it on de train."

JACK: "Hadn't you better something around you?"

SYLVIA: "Hadn't you?"

—Life.

"Your husband has been ill? his condition critical?" asked the vicar who was paying his monthly call.

"It's worse than critical," replied the worried-looking woman; "it's abusive."

THE YOUNG WIFE: "The new nurse is very scientific. She never let anyone kiss the baby while she's around."

THE HUSBAND: "Who would?"
And the next day the nurse left.

REFORMER: "Multitudes of our young women are parading about the beaches scantily clad."

VOICE FROM THE REAR OF HALL (tired but happy): "Ah, yes—the shock troops!"

The clock struck eight, nine and then nine-thirty. Still the new maid did not get up. Reluctantly the mistress went to the foot of the stairs.

"Mary," she called, "are you awake?"

"Yes," answered the maid, "why?"

Sarah brought her three children for her former mistress to see.

"And what are their names, Sarah?" asked the mistress.

"They's all got flower names, missy," replied the negress. "I'm rathe' proud o' their names. The oldest one's Heliotrope, and the second one there is Dahlia."

"Yes?" said the mistress kindly "very pretty. And what's the baby's name?"

"Flower name again, missy. We call her Ahtifushal."



HALITOSIS

AS DEFINED IN THE CENTURY DICTIONARY

(Hal-i-to-sis) N. N. L.

(L Halitus—Breath ∴ Osis—Offensive)

Offensive breath, whether arising from diseased or neglected conditions of the teeth, mouth or nose or caused by disorders of digestion, respiration, the excessive use of tobacco, etc., may be readily overcome by the deodorizing properties of—

LISTERINE

Listerine is strictly antizymotic, it inhibits alike the acid fermentation of carbohydrates and the alkaline putrefactive processes of mixtures of meat and saliva, retained as debris about the teeth; hence, Listerine is antagonistic to the activating enzymes of fermentation so often the cause of Halitosis.

Many dental practitioners who advise their patients to use Listerine daily as a mouth-wash, also keep Listerine in an atomizer on the dental bracket readily available for use prior to operations, in self defense against pronounced cases of Halitosis.

Lambert Pharmacal Company

Twenty-first and Locust Streets

St. Louis, Mo., U. S. A.

TRAUN'S "GOLDDUST" Dental Rubber

TRADE MARK REGISTERED

"GOLDDUST" RUBBER—AND WHY

Point 7—HANDSOME APPEARANCE

Many dentists seem to belittle the importance of impressing patients with the fine points of their workmanship.

It is a fact, however, that every patient appreciates a little extra effort, with the aim of pleasing, especially in prosthetic work. Plate-wearing patients, notably, like to have you give their plate a lustrous gloss before delivering it, and their appreciation usually has the effect of bringing more patients to your office.

Plates made from "GOLDDUST" Rubber are beautiful to look at when highly polished. The metal mixed in with the rubber gives the "GOLDDUST" plate a wonderfully lustrous metallic appearance, pleasing to the eye and to the touch.

"GOLDDUST" THEREFORE MAKES PLATES OF HANDSOME APPEARANCE.

(Another Feature of "Golddust" appears in next issue.)

PRICES:

\$4.50 per pound. \$2.25 per half pound.

1/5th pound sample box (about 7 sheets) \$1.00.

ATLANTIC RUBBER MFG. CORPORATION

SUCCESSORS TO

TRAUN RUBBER COMPANY

39-243 Fourth Ave. Dept. OH-7 New York

OH-7

Enclosed

\$1.00 for

Sample Box

of "Golddust"

Dr.....

ON TO CLEVELAND! SEPTEMBER 10th-14th

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Professional Preference

Recent investigation by an independent national research institute shows that more Dentists recommend Colgate's than any other dentifrice.

This preference is even more pronounced today than six years ago when a similar investigation revealed Colgate's to be "The Dentists' Dentifrice."

This is rather substantial evidence of the preference of the Dental profession for grit-free precipitated chalk and a pure soap as constituents of a dentifrice.



DENTAL DEPT.
COLGATE & CO.
Established 1806
99 Fulton St., New York

Truth in Advertising
Implies Honesty in
Manufacture

ON TO CLEVELAND! SEPTEMBER 10th-14th



“A difficult Impression”

—you'll say!

Yet look how perfectly it has been removed in four unbroken, accurate sections which are easily put together for pouring of cast.

Impressions taken with Union Sectional Trays are not forced off the teeth in crumbled fragments, with resulting loss of accuracy and time when put together for pouring of cast. Instead, they are easily separated in unbroken, accurate sections.

Think what this means to you in time saved, to say nothing about the relief from tedious and wearisome joining of impression-fragments, and the better fitting dentures it makes possible.

Prices:—Through your dealer or direct.

No. 1—Straight Crown and Bridge Sectional Tray with 6 sections \$1.25.

No. 2—Curved Crown and Bridge Sectional Tray with 6 sections \$1.25.

No. 121—Left Half, Upper or Lower \$2.00.

No. 131—Right Half, Upper or Lower \$2.00.

No. 141—Partial Upper, \$3.00.

No. 151—Partial Lower, \$3.00.

Complete set of 5, \$10.00. You save \$1.25 (Choice of either No. 1 or No. 2).

Write for illustrated circular H 7 showing all styles

UNION BROACH CO., INC.

130 W. 20th STREET

NEW YORK CITY

UNION SECTIONAL TRAYS

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CRESATIN

Better!

Safer!

than phenol

for desensitizing the
dentine before filling.

In ozs. at
good
drug-stores



It stands alone

ON TO CLEVELAND! SEPTEMBER 10th-14th

when



this becomes this

Most all users of artificial teeth know that porcelain teeth are about 20% smaller when they come from the furnace than they were when they were put into the furnace as "biscuited" teeth.

The Split-Ring Anchorage in Trubyte and Twentieth Century Solila Teeth are placed in the moulds *prior* to "biscuiting." Hence when

THE DENTISTS' SUPPLY

ON TO CLEVELAND! SEPTEMBER 10th-14th

the porcelain contracts in baking, the Split-Ring "gives" with it and is *closed* when the teeth are completely baked.

So, we emphasize:

When the "biscuit" tooth becomes the finished tooth, the Split-Ring Anchorage *closes*, making the ideal attachment for Solila Pure Gold-Clad Pins.

then



this does this

COMPANY of New York

ON TO CLEVELAND! SEPTEMBER 10th-14th



The Teeth of the Ages

*have followed a principle of
form with an unswerving
fidelity that suggests Purpose.*

IF we but realize that known facts existed ages before they were discovered, we experience a growing respect for antiquity. The blood of man had circulated in the selfsame way for thousands of years, but it was the seventeenth century before Harvey discovered the course of the human blood stream.

ON TO CLEVELAND! SEPTEMBER 10th-14th

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Human teeth (as well as the teeth of man-like apes) have been Square, Tapering and Ovoid for countless years, yet these forms were never recognized or classified as such until 1911, when Dr. Williams demonstrated their existence and revealed the principle of harmony between face form and tooth form.

Trubyte

—they follow Nature's Age-old Plan

If you could "personalize" the dominant characteristics of the teeth of all time, there would appear out of the past three figures bearing on their brows the Symbols of Form.

If you could visualize the teeth of the ages in gigantic piles, each composed of the teeth of a basic form, there would be but three huge piles.

If you can once realize fully the significance of the foregoing facts, you will have grasped something of the value of the discoveries embodied in the Trubyte System of Artificial Teeth. You will see that in Trubyte Teeth you have the results of original research and you have the advantage of knowing that the Trubyte Idea is right in principle, and, therefore, adaptable to many methods.

If you once make the Trubyte Idea your own, it will unfold potentialities of great importance to you as a dental practitioner.

RESTORATIONS  THAT RESTORE
The DENTISTS' SUPPLY COMPANY
of NEW YORK

(Trubyte Teeth are known as Anatoform Teeth in Europe, Great Britain and her Colonies.)

ON TO CLEVELAND! SEPTEMBER 10th-14th



"THE REMEMBRANCE OF QUALITY REMAINS"

Due to the liquidation of its former makers Crescent Alloy was off the market for about two years. Since we offered it again on January 1, 1923 we have been elated to realize the wide popularity of this material, proving indeed that the remembrance of quality remains.

CRESCENT ALLOY

THE TOOTH SAVER

Is again demanded by dentists round the world

5 oz. jar \$9.00—1 oz. bottle \$2.00

At all Dental Depots

1 UNION SQ.



NEW YORK

ON TO CLEVELAND! SEPTEMBER 10th-14th

Forhan's

FOR THE GUMS

An Aid, Not A Substitute

Naturally, we have great faith in the efficacy of Forhan's For the Gums as a daily aid to the dentist in the treatment of Pyorrhetic conditions.

But good as Forhan's For the Gums has proved to be, it cannot replace the services of a dentist.

That's why we advise the public, in our advertising, wherever possible, to go to the dentist for tooth and gum inspection.

We do this for no other reason than because it is the best advice that anyone can give.

Pyorrhea is too strong and menacing a public foe for one agency to handle single-handed.

We believe, moreover, that the public must be educated in oral hygiene if Pyorrhea is to be intelligently fought, and it is to this end that our advertising is written.

Forhan's Pyorrhea Astringent is compounded to the formula of Dr. R. J. Forhan, and sold only to dentists to insure its restriction to professional use.

Formula R. J. Forhan, D. D. S.

Forhan Company

New York, N.Y.

FORHAN'S, LTD.
MONTREAL

ON TO CLEVELAND! SEPTEMBER 10th-14th

"How About Soap in a Dentifrice?" asked the Portland, Oregon, District Dental Society

Here is Our Answer:

"I consider soap in dentifrices very essential. What is a dentifrice? A preparation used in cleaning the teeth. Soap is universally known as a cleanser; it has never been shown to have done injury to the teeth or gum tissues.

"The real reason why soap is not generally used in dentifrices is on account of its disagreeable taste, but that I have corrected and its slight alkalinity helps to dissolve mucin.

"Soaps are Sodium and Potassium salts of the fatty acids and are alkaline in reaction—and as such will dissolve the colloid that holds the insoluble salts in the plaque formation. Under this condition an abrasive material is unnecessary.

"My product contains some soap, not for the purpose of concealing

any abrasive ingredient (for aside from chalk, I use none)—but for its cleansing properties.

"The condition of your tooth brush will promptly show whether your dentifrice is a cleanser, as it is only reasonable to infer if a dentifrice is supposed to clean the teeth, that the same preparation should clean the tooth brush, and, if not, your dentifrice cannot be a cleanser.

"I make no medicinal claims for Revelation Tooth Powder but do say it is an absolute cleanser. It will dissolve mucin plaques and overcome fermentation around the necks of the teeth."

Send your professional card or a note on your personal stationery and we will mail you full size can of *Revelation* for clinical test.

August E. Drucker Co., 2683 California St., San Francisco, Calif.

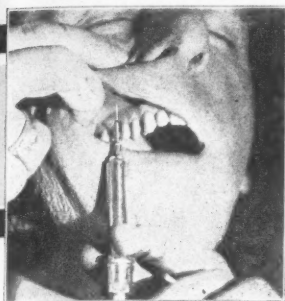
REVELATION

For Teeth



and Gums

ON TO CLEVELAND! SEPTEMBER 10th-14th



Ideal for Nerve Blocking

PENETRATION into deep tissue requires an antiseptic anaesthetic that will rapidly heal tissue. It must be sterile, isotonic, non-toxic and free from foreign substances.

Such an anaesthetic is **Waite's Antiseptic Local Anaesthetic**. Every batch is put through a Pasteur filter to remove foreign substance.

The ampules are sterilized after they are filled and each lot is tested for sterility in our own bacteriological laboratory. The antiseptic base of **Waite's Anaes-**

thetic promotes rapid healing of the tissue.

Waite's Anaesthetic is also sold in Bottles.

Sample Box of Ampules FREE on receipt of your professional card or letterhead. Mail the coupon.

Nerve Blocking Book FREE will quickly make you a master of this new and profitable science without private lessons or a post graduate course. See offer on coupon.

THE ANTIDOLOR MANUFACTURING CO.

80 Main St., Springville, Erie Co., N. Y., U. S. A.

Branches: Fort Erie, Ont.; Paris, France

Waite's
ANTISEPTIC
LOCAL ANAESTHETIC
2% Procaine or 1% Cocaine
In Ampules!

Check, Sign and Mail this Coupon

- ☐ Send me sample box of ampules, free.
☐ Ship the following order through

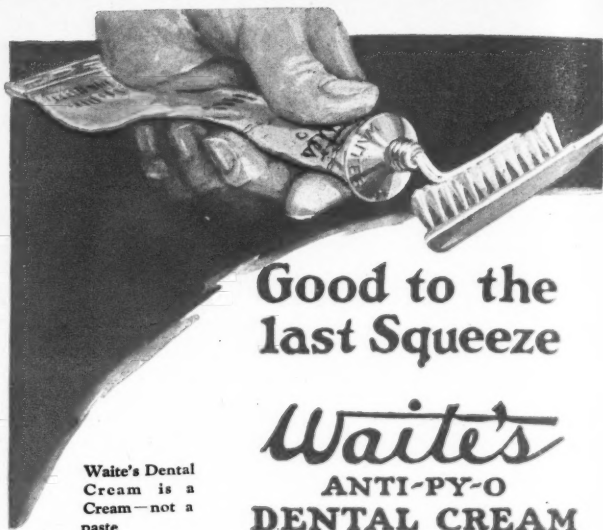
(Name of dental depot)

and mail me **Waite's Nerve Blocking Book FREE** with any of the following offers:

- ☐ 12 ounces or ☐ 12 boxes 1½cc Ampules of **Waite's Local Anaesthetic**, \$8.40.
☐ 12 boxes 2½cc or ☐ 12 boxes 3cc Ampules, \$10.20.
☐ **Waite's Complete Nerve Blocking Outfit** for making all injections. Value \$13.00, all for \$12.00.

Name.....

Address.....



Waite's Dental Cream is a Cream—not a paste

Good to the last Squeeze

Waite's

ANTI-PY-O DENTAL CREAM

The kind most dentists approve

Most dentists are agreed that a dentifrice of creamy consistency will lather more freely, penetrate the interstices between the teeth and clean the teeth more thoroughly than a sticky, gummy tooth paste. Waite's Dental Cream is a Cream not a paste.

It removes plaques and stains with-

out scratching the enamel, because it contains no harsh grit.

Its antiseptic base inhibits the growth of germs in the mouth.

Helps nature prevent decay

Its essential oils stimulate the flow of the saliva. Being slightly alkaline, it temporarily adds to the alkalinity of the saliva. Thus it aids nature in her work of protecting the teeth and preventing decay.

SIGN AND MAIL THIS COUPON

Enclose Professional Card or Stationery

THE ANTIDOLOR MFG. CO.,
Springville, Erie Co., N.Y., U. S. A.

I desire to make my own tests and comparisons of Waite's Anti-py-o Dental Cream. Please send me large tube free.

Name

Address

THE ANTIDOLOR MFG. CO.
80 Main Street
Springville, Erie County, N. Y., U. S. A.

Full Size Tube FREE!

Send for a full size tube of Waite's Dental Cream for your own personal use and tests. Convince yourself that it is the kind of a dental cream you want your patients to use.

Who's
Sup

We'll
name
your c
erous
Cups.

Send



Closeups of Patients—No. 7



"Got to hand it to you, Doc!"

Who's Your Dental Supply House?

We'll exchange their name on the back of your card for a generous supply of Lily Cups.

Send it Today

The Lily Cup in the dentist's office suggests progress to the younger generation who have been educated to know the menace of the common glass.

Of course *you* sterilize your office glass but Lily Cups will save you that trouble. That's why you'll like Lily Cups as much as your patients will like them.

PUBLIC SERVICE CUP COMPANY
Bush Terminal Brooklyn, N. Y

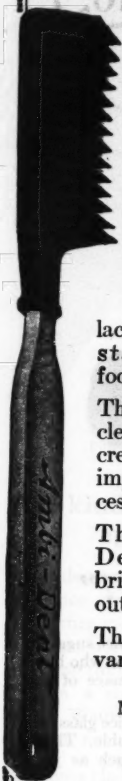


Serve in a

LILY



ON TO CLEVELAND! SEPTEMBER 10th-14th



Guards the Gums

Ambi-Dent
guards the gums
—keeps the cir-
culation active—
supplies the stim-
ulating effect
lacking in the soft,
starchy prepared
foods of today.

The rubber bristles
clean—they go into
crevices otherwise
impossible of ac-
cess.

Then too, Ambi-
Dent's rubber
bristles *cannot* come
out or break off.

This is a vital ad-
vantage.

Massages—cleans
polishes

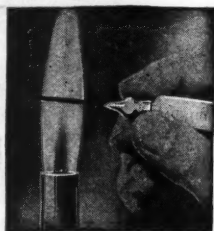
Sample brushes.
3 for \$1.00

Ask your druggist to stock them

AMERICAN
TOOTH BRUSH
COMPANY
St. Marys, Pa.

AMBI- DENT

DR. H. B. MARSH



It does not hurt so much

*—if the needle
is sharp*

The A. P. W. Needle pro-
duces an almost painless
incision because its hard-
ness enables it to hold a
keen cutting edge.

And—

Because of this hardness,
it can be sterilized in the
hottest flame.

A. P. W. Needles are 30%
Iridium and 70% Plat-
inum, which accounts for
their hardness.

They will cost you a trifle
more—but they last longer,
and enable you to do
better work.

American Platinum Works,
N.J.R.R. Ave., at Oliver St.,
Newark, N. J.

A. P. W. Needles

ON TO CLEVELAND! SEPTEMBER 10th-14th

Kindly
Name
Address
Name of

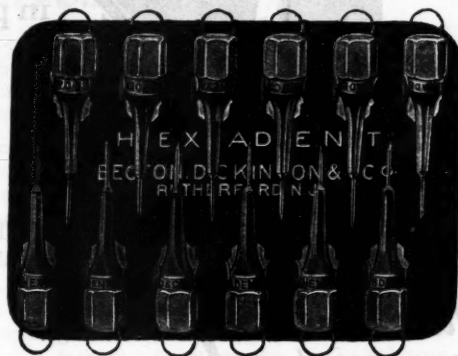
ON

B-D PRODUCTS

Made for the Profession

HEXADENT NEEDLES

THE RESULT OF MORE THAN 20 YEARS OF EXPERIENCE IN MAKING HIGH-GRADE NEEDLES



Steel, Gold, Platinum-Iridium

NEEDLES FOR EVERY PURPOSE

SOLD BY DENTAL DEALERS EVERYWHERE

If you have not used Hexadent Needles, fill out the coupon below.

BECTON, DICKINSON & CO.
RUTHERFORD, N. J.

Kindly mail FREE SAMPLE of HEXADENT NEEDLE.

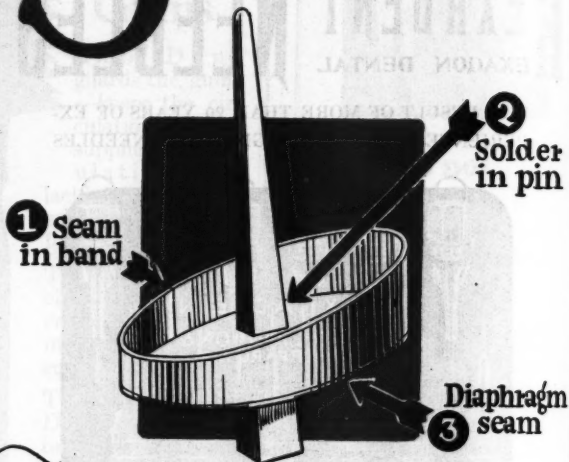
Name

Address

Name of Dealer

ON TO CLEVELAND! SEPTEMBER 10th-14th

3 soldering



*Hand this to
your secretary
to mail today!*

LEE S. SMITH & SON MFG. CO., Pittsburgh, Pa.

Please send the free book about Li-Go-Sol to

DR.

Address

Dealer

ON TO CLEVELAND! SEPTEMBER 10th-14th

ON T

g operations!

*with the same karat
solder and without
investment!*

The Li-Go-Sol booklet describes in detail just how this seemingly impossible task may be accomplished.

And when the operation is completed all metal parts of the Richmond crown thus constructed are as free from seams as if it were possible to stamp them up out of one piece of metal. As a result of constructing a Richmond Crown the Li-Go-Sol way there isn't the slightest particle of excess metal to interfere with the fit of the band, or to prevent the coping from snapping into its proper position on the root. And a case put together the Li-Go-Sol way can never come apart.

Li-Go-Sol is a strictly scientific product compounded for the use of dentists who desire to do better work in an easier way, and at less expense.

A package of Li-Go-Sol retailing at \$5.00 does the same work as eleven pennyweights of ordinary 22 karat solder—and does it better. Write to us or ask your dealer for the book that goes into details about it.

Your dealer has Li-Go-Sol in stock.

LEE S. SMITH & SON MFG. CO.
PITTSBURGH, PA., U. S. A.

ON TO CLEVELAND! SEPTEMBER 10th-14th



FAKING a FIT

SOMETIMES when mechanics have missed a fit by a few thousandths of an inch, they can "fake a fit." They bring the shaft, or whatever they need to fit, to a very dull red heat, then allow the piece to cool. This thickens it slightly, because of the metal's tendency to scale.

But you can not do this with porcelain, and so, when you have to fit all sorts of roots both regular and irregu-

ON TO CLEVELAND! SEPTEMBER 10th-14th

lar in outline, it is necessary to have *Trubyte Crowns* because they are made with an extra allowance of porcelain at the root-end with the least amount of work.

"Enough neck to grind" is more than a phrase—it is a real innovation in porcelain crowns found only in *Trubyte Crowns*.

It required thousands of measurements of natural teeth, including crown and root dimensions, to determine the sizes and proportions of *Trubyte Crowns*, but it was time and labor well spent because it brought the subject down to a definite basis that permits us to say that *you can fit any natural root with a Trubyte Crown*.

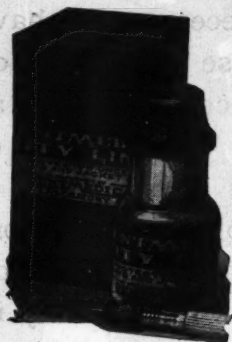


YOU NEVER HAVE TO
"FAKE A FIT"
WITH
Trubyte Crowns.

Your Dealer or Direct.

The Dentists' Supply Company
New York, N. Y.

ON TO CLEVELAND! SEPTEMBER 10th-14th



What they say about

DENTMEDIC

It is a positive Pulp Capper and Cavity Lining

ALL IN ONE

Easily applied, stays put. Does not run into retention points.

Warm bottle over flame a few seconds before shaking, apply DentMedic with loop broach.

Thousands of dentists are using DentMedic with best results.

Price \$1.50

Order of your dealer

Distributed by

The

Ransom & Randolph Co.

DENTMEDIC **LABORATORY**

3318 E. 55th St.
Cleveland, Ohio.



BENKO SIGNS



Bronze and Aluminum Cast Signs. Send for free folder. Mention your dealer, please.

BENKO BROS.

117 East 15th St.,
New York City

Study Mechanical Dentistry in California

Study mechanical dentistry in California—where living conditions are right, the dental field is under-manned. Specimen tuition fees in the School of Mechanical Dentistry are offered—subject to withdrawal at any time. Ask for information now. We have operated successfully since 1912 as the only institution of its kind on the coast.

School of Mechanical Dentistry
229 Higgins Bldg., 108 W. 2nd St.
Los Angeles, California

Doesn't this whet your curiosity?

We've been serving dentists 33 years—but *you* may be one of the members of the profession not yet acquainted with Brown's Cleaning Fluid and the other Brown specialties. If you are, send the coupon—no obligation—and we'll tell you something quite interesting!

.....
The Wheeler-Brown Specialty Co., Inc., 472 Main Street, Fitchburg, Mass.

I want to know!

Dr.

Address

Dealer

ON TO CLEVELAND! SEPTEMBER 10th-14th

HAY-FEVER—is coming!

KONDON'S CATARRHAL JELLY

Does much good in warding off the attack which comes about August 11th every year.

Begin at once to recommend **KONDON'S CATARRHAL JELLY** to your patients and friends.

For HAY-FEVER, colds of all kinds, stopped up nose, inflammations of skin and tissue.

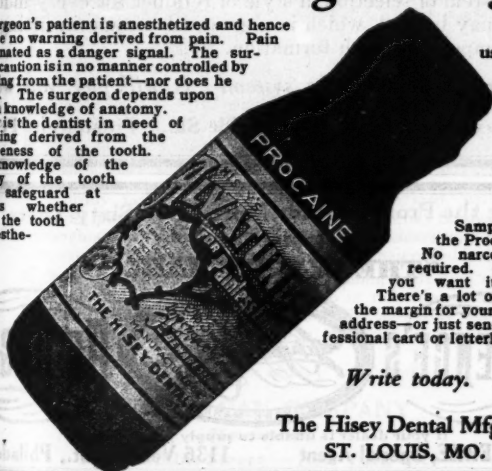
Thousands of Dentists, Physicians and nurses recommend **KONDON'S CATARRHAL JELLY** Ask us for trial tube and samples **FREE**.

KONDON'S—Minneapolis, Minnesota

Alvatunder Thought for July

When a surgeon's patient is anesthetized and hence give no warning derived from pain. Pain is eliminated as a danger signal. The surgeon's caution is in no manner controlled by warning from the patient—nor does he know it. The surgeon depends upon his own knowledge of anatomy. There is the dentist in need of warning derived from the sensitivity of the tooth. Knowledge of the anatomy of the tooth is his safeguard at times whether or not the tooth is anesthetized.

Are you using Alvatunder?



Sample free of the Procaine form. No narcotic blank required. Cocaine if you want it, though. There's a lot of space in the margin for your name and address—or just send your professional card or letterhead.

Write today.

**The Hissey Dental Mfg. Co.
ST. LOUIS, MO.**

ON TO CLEVELAND! SEPTEMBER 10th-14th

Three Questions

What is your answer?

1. Should a rubber retention device, for the purpose of retaining plates, be all soft-rubber cups, united to the base by vulcanization, and should it be *without* any metal heads to come in contact with the palatine surface?

2. Should a retainer be sunk into a chamber so that only the top edge of the cups meet the palatine surface, thus drawing the plate firmly to the palate, without any plate wobbling?

3. Should there be a system of selection, enabling the operator to select a special retainer for each individual case, instead of trying to fit one style of retainer to every case?

If your answer to these three questions be *YES* then we have produced an article worthy of your consideration.

The cups of all Petry Retainers are soft rubber with *non-metallic* heads, insuring comfort.

The cups which are sunk deep into the chamber, bring the plate firmly against the palate, thus overcoming *plate wobbling* which is the cause of irritation.

By our system of selection, a style of retainer for every individual case may be had, which is a great advantage in fitting the various shapes of mouth formation.

Get acquainted with the system. It will pay you well.

Jacob Petry Retainer Co., North Side Sta., Pittsburgh, Penna.

FIVE OVAL



5 cups united with the base without a rivet head!

Serving the Profession for More Than Sixty Years

Insist Upon

"THE OLD RELIABLE."



If your dealer is unable to supply you, address
W. H. CLERKE, Special Agent 1136 Venango St., Philadelphia

ON TO CLEVELAND! SEPTEMBER 10th-14th

Ask Your Dealer for
HYGIA



☞ Sturdily fashioned from Rust-resisting Armco, with working parts highly nicked, HYGIA, beautifully finished throughout in Glossy, White Enamel, harmonizes with—yes, even *compliments*—the finest Pedestal, Chair or Cabinet.

☞ You will be delighted with the gleaming perfection of this splendid product. Available also in rich Mahogany or Pearl Gray Enamels. And you'll be agreeably surprised when your Dealer tells you the Price.

Why not phone him about it right now?

HYGEIA CAN COMPANY

Manufacturers

141 Franklin Street New York City

ON TO CLEVELAND! SEPTEMBER 10th-14th

**This little device will
increase income
25% a month**

SMITH CUPELS

are used in the No-Plaster Method of Inlay Casting.

By this method the wax pattern may be invested, the investment dried out, the wax eliminated and inlay cast in six minutes.

Certainly a time saver.

And Dr. Shotten, whose letter is reproduced on the opposite page is not the only one who has discovered this.

Smith Cupels are making a hit with every busy dentist who uses them.

Let us tell you all about them.

(Life Saver)

*Send
Booklet*

Manufactured by **LEE S. SMITH & SONS**

ON TO CLEVELAND! SEPTEMBER 10th-14th

OFFICE, PROSPECT 108

RES., LAKEWOOD 3089-R

OFFICE HOURS 9 TO 5

J. C. SHOTTON, D. D. S.

407 OSBORN BUILDING
CLEVELAND, O.

Lee S. Smith & Son Manufacturing Co.
Pittsburgh, Pa.

Gentlemen: Attention Mr. Linford Smith.

We have had perfect results with the Smith Cupel. From the first the proposition looked ideal for use in an emergency when an inlay was desired within a few minutes. However, from the first one we tried, we have had better success; we have obtained better inlays than by any other method and therefore are using them exclusively. This little device will increase our income 25% a month. If we fall down on the directions, and get the investment too thin, we absorb the excess moisture with a towel or piece of blotting paper. I am passing the good word to my friends as fast as possible.

Yours very truly,

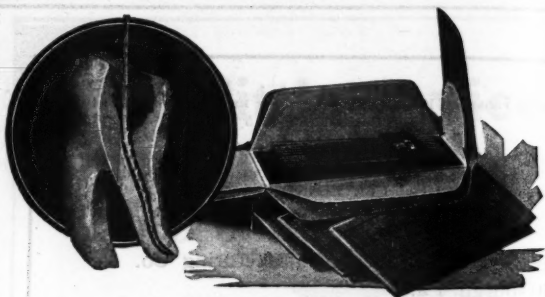
JCS/AD

(Signed) J. C. SHOTTON

Sold by dealers

& S MFG. CO., Pittsburgh, U.S.A.

ON TO CLEVELAND! SEPTEMBER 10th-14th



S. S. White Pulp-Canal Cleaners

Do Their Work Well

With just the right toughness and flexibility they can follow the curve of a canal and give the maximum utility with the least risk of breakage.

The long, backward-slanting barbs permit easy entrance and grasp the pulp to the apex as the cleaner is withdrawn.

Accuracy The Feature

S. S. White Pulp-Canal Cleaners are produced by precision machines that form the tapered blanks and cut the barbs with microscopic accuracy; therein lies their dependability.

*S. S. White Pulp-Canal Cleaners are
Individually Inspected*

Per Gross \$7.50--Half Gross \$4.00--Doz. 0.75

*Packed in dozens of one size or assorted—Sizes 0, 1, 2, 3, 4—from
Special Extra Fine to the largest that can be wanted.*

Your Dealer Will Supply You

The S. S. White Dental Mfg. Co.

"Since 1844 the Standard"

Philadelphia

ON TO CLEVELAND! SEPTEMBER 10th-14th



Visualizes the Cavity *Bars Out Saliva*

One thing any rubber dam worthy of the name will do—keep out the saliva. That's what it's for. S. S. White Black Rubber Dam does this and more.

Because of its dense, dead blackness it makes the tooth which it clasps stand out sharply from its surroundings. All the light that enters the mouth seems to be concentrated on that tooth.

The consequence is that the cavity is well defined, its details more clearly seen. The dentist who uses it is saved eye-strain and doesn't feel so tired when the day's work is done.

Tough and strong. In yard and half-yard cartons, 5-inch and 6-inch widths.

S. S. White Black Rubber Dam

Half yard (648 inches) \$0.80

Yard (1296 inches) . . 1.50

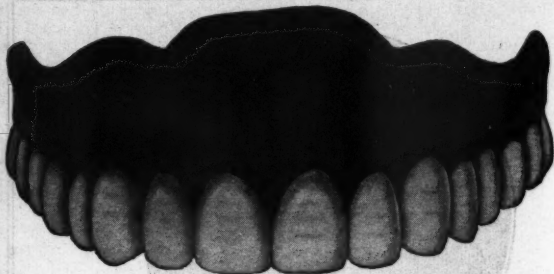
At Your Dealer's

The S. S. White Dental Mfg. Co.

"Since 1844 the Standard"

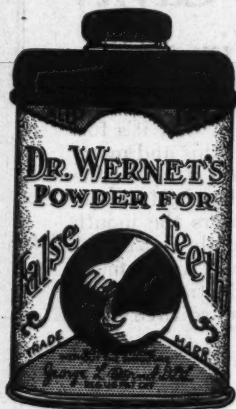
Philadelphia

ON TO CLEVELAND! SEPTEMBER 10th-14th



Malocclusion—W

The ORIGINAL Plate Powder



An eminent dental authority has stated that malocclusion will sometimes cause a fracture of the periosteum, thus creating a pathological condition that may result in pyorrhoea. Wernet's Powder allows you to get almost perfect articulation and occlusion.

Dr. Wernet's Does These Things

- 1—Gives instant adhesion ("Suction").
- 2—Permits patient to eat meals the first day in comfort.
- 3—Stops any tendency to gag or vomit.
- 4—Enables patient immediately to talk properly.
- 5—Prevents rubber-sore mouth.
- 6—Overcomes nervous habit of pushing plate with the tongue.
- 7—Prevents despondency and disappointment.
- 8—Keeps patients cheerful and confident.
- 9—Creates satisfied patients and builds your practice.

H. R. LATHROP

U. S. St.

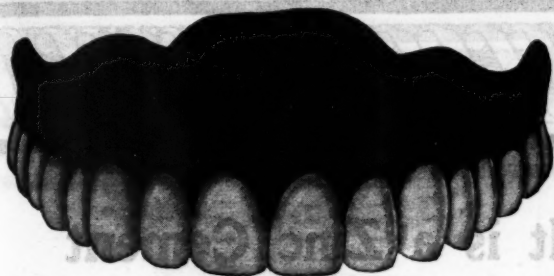
116 B St.
New York.

Sold by drug stores and houses.

WERNET & CO.



ON TO CLEVELAND! SEPTEMBER 10th-14th



Wernet's Powder

Dr. Wernet's Powder for False Teeth

(A White Powder)

The latest tool in Dentistry. In color, taste, fragrance, and adhesive action vastly superior to any other apparently similar preparation.

Dr. Wernet's Powder for False Teeth

(A White Powder)

is being widely used by the profession

To keep cotton rolls from slipping and sliding

To stop any tendency to gag or vomit

On partial plates after extraction

On temporary plates

On plates for flabby ridges

On old plates after changes have been made in them

To eliminate bite plate trouble

To cure blister or sore spot after plate has been trimmed

COMPANY, Inc.

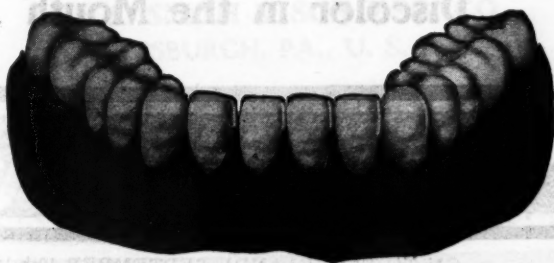
U. S. S.

16 B St.

New York.

any drug department
and all houses.

Man
NET D. G. CO.



ON TO CLEVELAND! SEPTEMBER 10th-14th



It is a Zinc Cement **It is a Copper Cement**

It is the best cement for setting crowns, bridges and inlays, because it is the stickiest cement there is.

It is the best cement for general fillings and filling deciduous teeth because it is a perfect germicide.

In 9 Years it HAS NOT—
In 90 Years it WILL NOT

Discolor in the Mouth



ON TO CLEVELAND! SEPTEMBER 10th-14th



Your Dealer will supply it.

LEE S. SMITH & SON MFG. CO.
PITTSBURGH, PA., U. S. A.

ON TO CLEVELAND! SEPTEMBER 10th-14th

DeSANNON

INCORPORATED

Announcing

an innovation in dental advertising. In order to keep dentists informed as to all the products we sell, we will take double page spreads to present several of these products at one time, in somewhat the same manner as department stores advertise.

E. L. Hoskins

Quality Abrasives



POINTS
STONES
STUMPS

During the past year more Green Diamond Points, Stones and Stumps have been sold than any other make, because they are of a quality previously unknown in this class of abrasives. They bear an excellent reputation for fast, cool cutting. Every one guaranteed.

Hypodent Needles

Point the Way

to freedom from danger of breakage and annoyance of stoppage. Care in pointing and imported French tubing are the reasons. A large gauge Hypodent can be used without causing any more pain. Use Hypodents and be safe. If you can't get them from your dealer, write us.

ON TO CLEVELAND! SEPTEMBER 10th-14th

C. HOSKINS

PHILADELPHIA

Pulp-Life as a Life-Saver

Here is a product especially prepared to bring exposed pulps back to health and to permit filling without removing life. It does this rescue work between the patient's visits. Full directions for using with every package. Start now to save pulps with Pulp-Life.

Staybryte Instruments

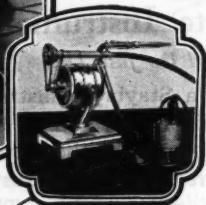
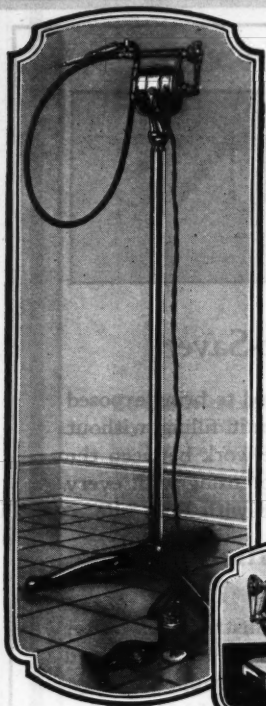
Will Do Just That

You can easily tell a Staybryte instrument. After long and hard service it will still be as bright and shiny as when you untied the wrapper. Staybryte instruments are made of non-rust metal, tempered to the right cutting edge. There are one hundred and fifty sizes and shapes of Staybryte instruments. Write for prices.

To Use Nuklorene

as a mouth wash, spray or gargle, means giving your patient a healthy mouth, nose and throat. It effectively prevents contamination and infection of all sorts. Nuklorene contains an efficient percentage of the famous Dakin-Carrel Antiseptic. It may be had in the form of tablets and tooth powder as well as the mouth wash. Include Nuklorene in your next order.

ON TO CLEVELAND! SEPTEMBER 10th-14th



The DUMORE DENTAL ENGINE

All DUMORE Dental Engines are equipped with S. S. White No. 7 hand-piece, slip-joint and 31 inch flexible shaft and sheath.

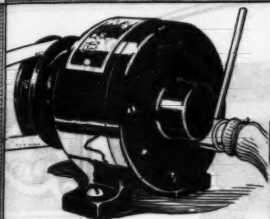
BUILT by men who realize the need for dependability in dental equipment, the DUMORE Dental Engine is exceptionally capable of performing its varied duties.

For service at that extra chair or as a substitute for your regular unit in case of breakdown, it does its work smoothly and efficiently. In the laboratory it is especially handy for grinding and polishing gold inlays, crowns and numerous other small jobs. And as a portable engine for emergency work in home or hospital, it is invaluable.

To really appreciate the merits of this sturdy engine you must see it in action. Let us arrange with your dental supply salesman to give you a demonstration. Who shall we tell him to see?

WISCONSIN ELECTRIC COMPANY
3260 Sixteenth St., Racine, Wisconsin

With
filled
which
tinuous



Ask about the Vernon Rotary Compressor—details from your dealer or Lee S. Smith & Son Mfg. Co., Pittsburgh, U. S. A.



SAVE THEIR TEETH
WITH

FLECKS RED COPPER CEMENT

With slight excavation cavities may be filled with Fleck's Red Copper Cement which permanently stops decay by its continuous germicidal power.

Sold at All Depots.

ON TO CLEVELAND! SEPTEMBER 10th-14th

Don't Sell Your Clean Scrap

Send it to us to be made into extra fine quality Gold Solder.

For each ounce of clean 22Kt. scrap we will send you 28 dwt. of 18 Solder, 585 Fine.

Satisfaction Guaranteed

If not pleased, send back the solder and we will give you cash instead at the rate of 90c per dwt. for your scrap.

To illustrate the saving:

1 oz. 22kt Scrap, worth \$18.00;
28 dwt. 18 Solder, fair value
75c dwt., \$21.00.

Saving on each oz. of scrap . . \$3.00

In other words, your 18 Solder will cost about 64c dwt. Other grades of solder if desired.

Will make similar exchanges for old bridges, fillings or any other gold or platinum material or allow highest values in cash.

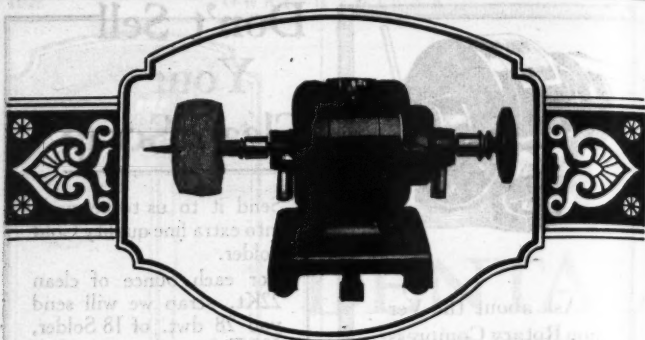
Quick Returns. You pay us only a fair charge for our work and save the manufacturer's profits on the solder.

Through your dealer or direct



REFINING
CORP.
276 Fifth Ave.
New York
City

*Refining Plant:—Olmstead and
Starling Aves.*



DUMORE

LATHE *for* DENTISTS

TO those who would practice economy without sacrificing quality, the DUMORE Dental Lathe should have a strong appeal. Of quality construction throughout, this sturdy lathe performs with unfailing dependability under the severest usage.

With five graduating speeds, this fine lathe is ideally fitted to perform every polishing and grinding operation common to a dental laboratory. At low speeds the grinding of teeth and polishing and finishing of inlays, crowns and small work may be done. The selection of high speeds permits quick and easy polishing of plates and bridges.

The many DUMORE lathes now in active service—the enthusiastic testimonials we receive from satisfied users—the favor shown this tool by leading laboratory experts, all are forceful tributes to its economical, accurate performance. See your dealer or write us for further interesting facts about this handy \$27.50 laboratory assistant.

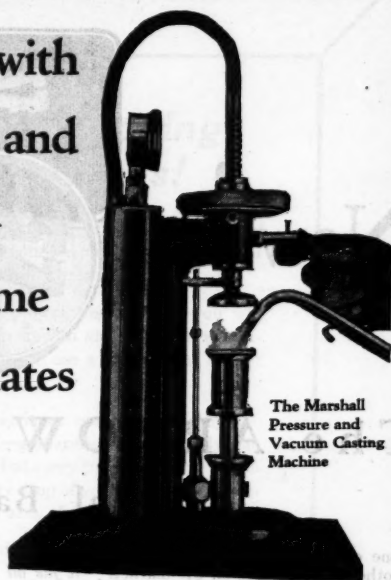
Motor $\frac{1}{4}$ h. p.—
Universal. Speeds
—five, 2,000 to
6,000 r.p.m. Controlled by rheostat in motor base. Shaft tapered at both ends. Will take Ritter chucks



or special 5-32" Goodell - Pratt chucks. Complete equipment includes wheel arbor and emery wheel, tapered spindle and rag buff, 8' cord and attachment plug.

WISCONSIN ELECTRIC COMPANY
3260 A Sixteenth St., Racine, Wisconsin

**Casting with
Pressure and
Vacuum
Saves Time
and Eliminates
Failures!**



**The Marshall
Pressure and
Vacuum Casting
Machine**

THE Marshall Pressure and Vacuum Casting Machine, has proved itself to be one of the great steps forward in the development of dental equipment.

It has embodied in it a combination of features that gives it the advantages of the three commonly used types of dental casting machines, namely: the pressure, the vacuum, and centrifugal. The centrifugal, in that the metal is fused in a separate crucible from that of the mold, thereby eliminating the necessity of overheating the flask while fusing the metal.

It is the only true, positive, measured, sustained pressure machine ever offered to the dental profession. It is so constructed that the two forces, namely: the vacuum and pressure, never come in direct contact with each other, and the full benefit of both is exerted directly on the fused metal in forcing it into the mold and hold same under full pressure until it chills, thereby producing a casting every time and with perfect detail.

It is strictly automatic in operation, therefore it requires no special skill. When the metal is fused just pull the release pin and the cover plate, valves, etc., are actuated mechanically and in perfect time every time.

ORDER FROM YOUR DEALER

THE H. B. BYRD MFG. CO., Inc.
WASHINGTON, D. C.

Brief, Interesting and Instructive Booklet Cheerfully Sent On Request

ON TO CLEVELAND! SEPTEMBER 10th-14th

New !



The ARROW-HEAD Lingual Bar

None of its features is to be found in other Lingual Bars on the market. It is *entirely* new—and a decided improvement over all the old bars. First of all, there are no bulky corrugations or grooves on the sides of its ends, hence it occupies the *least* room in the vulcanite.

Instead, its ends have flared notches at the top and bottom and the ARROW-HEAD cut-out, which together form the *strongest* possible anchorage.

Its entire shape has been designed after an accurate study—with the co-operation of the largest dental labora-

tories—of thousands of cases, so that it fits all but *very special* cases, with little or no adjustment. Its anterior surface is flat and it conforms to the arch with the least lingual obstruction. Most of all, it is the *stiffest* and *strongest* Bar to be had. We make this claim, without reservation and advisedly. You can prove it yourself by trying to bend it as a test for stiffness.

Made in three sizes:

Large, \$2.50. Medium, \$2.25.
Small, \$2.00.

An extra large may be had for special cases.

Order them from your dealer. If he cannot give you prompt service, please write us and we will

I. STERN & COMPANY

Dental Gold Products

104 West 116th Street

New York City

Stop Poisoning Your Hands!

THE continual drip, drip, dripping of your solution not only poisons your hands but disfigures them.

You can protect your hands—you will keep them smooth and free from poisoning, if you will use a syringe that cannot drip.

Metsan Syringes cannot drip—they are leakproof—guaranteed so, not only the first time but every time they serve you in use. Every drop of your solution is directed to the area of injection.

You owe this protection to your hands.

There is a Metsan adapted to your individual need. Metsan All-Metal, Metsan All-Glass, Metsanovo Glass and Metal—each one guaranteed leakproof; there will be:

"Not one drop lost"

**Metsan Dental Mfg. Co.,
211-A East 62 St., New York City.**

Send me the Metsan booklet describing syringes and needles which offer complete protection of my hands.

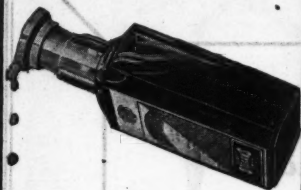
Dr.

Address.

O.H. 7

ON TO CLEVELAND! SEPTEMBER 10th-14th

Trench Mouth Disease



STEARNS' ASTRINGOSOL

For troublesome cases of Pyorrhea and Trench Mouth Disease many successful dentists are using Stearns' Astringosol with great success.

Also useful in the treatment of receding, inflamed, soft, spongy or bleeding gums.

A refreshing, antiseptic, and corrective MOUTH WASH.

Excellent as a spray after extraction and as a gargle for simple sore throat.

Manufactured by

**Frederick Stearns &
Company**

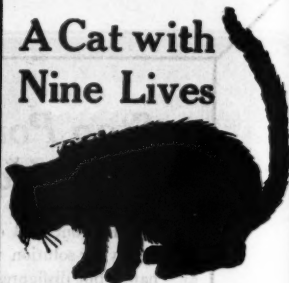
Manufacturing Pharmacists

Established 1855

Detroit

Michigan

A Cat with Nine Lives



*—has nothing on
this handpiece*

A Contra Angle "U" belonging to Dr. A. W. Easton of Norway, Me., was just Re-Built by us for the ninth time. This handpiece is an \$8.00 instrument. The total cost of the nine Re-Buildings has been \$33.45, or a saving to the doctor of \$38.45, each rebuilding making the handpiece as good as new.

Some folks claim that handpieces Re-Built by us are better than new ones.

Send for addressed mailing box for that handpiece YOU want Re-Built.

**Geo. A. Terry Mfg.
Co., Inc.**

**356 S. Elmwood Ave.,
Buffalo, N. Y.**

ON TO CLEVELAND! SEPTEMBER 10th-14th

\$100⁰⁰ for a Slogan!

We offer one hundred dollars (\$100) to the Dentist who can submit the best slogan to be used in connection with

BREWSTER CROWN, BRIDGE and INLAY CEMENT

The one condition we impose is that all Dentists submitting a slogan give proof that they have used Brewster Cement, a cement which is different from any other on the market today.

All slogans must be in our hands prior to Sept. 1st.

The name of the Dentist, together with the slogan we think best, will be printed in the October issue of Oral Hygiene.

E. R. S. BREWSTER

Manufacturer of DENTAL FILLING MATERIALS
2730-32 HIGH ST. CHICAGO ILL.

Just Like the Natural Gums

You can give a denture that healthy glow of nature—you can reproduce the natural gums if you veneer with

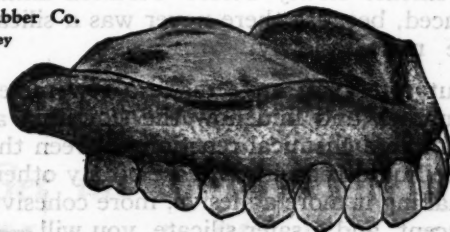
McCormick's Blended Pink

Blended Pink Rubber used in combination with the following MCCORMICK BASE RUBBERS makes an ideal denture: No. 3 Dark Orange, No. 6 Maroon, No. 4 Light Red, No. 18 Red Weighted, No. 22 Olive, No. 25 Gold Flake.

E. J. McCormick Rubber Co.
Lodi, New Jersey

\$2.50 per ¼ lb. box.
Your dealer or direct.

*"The Pink
of Perfection"*



ON TO CLEVELAND! SEPTEMBER 10th-14th

Creatures of Habit

What shoe do you put on first—the right or the left?

Probably you never gave it a thought and you may say, "The first one I pick up." But, it is a hundred to one shot you will "pick up the one you are in the HABIT of putting on first—it may be the right or it may be the left.

From the time we put on our shoes in the morning until we take them off at night, we are creatures of habit—we are always doing the same things in the same way.

And it's difficult to change our habits even the trifling ones. That's why we are continually reminding you that

Certified Enamel Should be Mixed Slowly

We realize that you were never in the habit of mixing a silicate slowly before Certified Enamel was produced, because there never was a silicate that could be mixed slowly.

But after you have made a few mixes of Certified Enamel, and find how the slow mix allows a more complete chemical reaction between the powder and the liquid than in the case of any other silicate, thus making it more adhesive, more cohesive, more translucent, and a safer silicate, you will —————→

ON TO CLEVELAND! SEPTEMBER 10th-14th



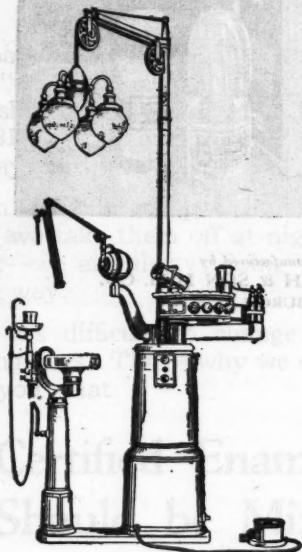
Manufactured by
LEE S. SMITH & SON MFG. CO.
PITTSBURGH, U. S. A.

"Growth, not Replacement,"
 is the governing principle in the
 design of Electric Dental Units
 for Junior and Senior
 shown by all leading dentists

**Get the Habit of
 Mixing it Slowly**

ON TO CLEVELAND! SEPTEMBER 10th-14th

Electro Dental Unit

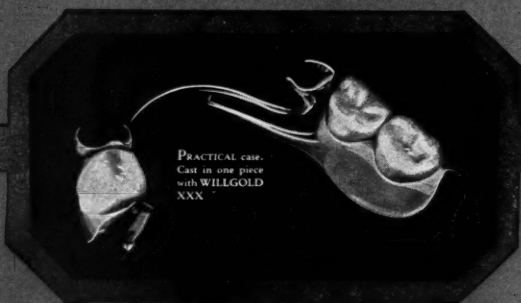


"Growth, not Replacement"

is the governing principle in the design of Electro Dental Units, Junior and Senior.

*Shown by all leading dealers
in dental equipment.*

ON TO CLEVELAND! SEPTEMBER 10th-14th



PRACTICAL case.
Cast in one piece
with WILLGOLD
XXX

Willgold XXX

For Better Cast Clasps

Willgold XXX is a tough and very springy alloy of gold and platinum with a beautiful light gold color.

We believe this to be the best metal for the casting of clasps ever offered to the dental profession.

Price \$1.45 per dwt. from your dealer.

THE WILLIAMS GOLD
REFINING COMPANY

Smelters and Refiners

2978 Main Street

Buffalo, N. Y.

Bridgeburg, Ont.

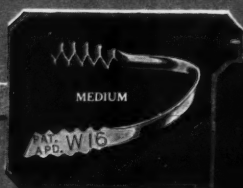
Specify Williams Golds

Plates
Shells
Wire

Solders
Clasps
Nuggets

Casting Gold
Lingual Bars
Filling Golds

(See announcement on reverse side)



Williams Lingual Bars

Neater Dentures and Greater Strength

Because Williams Ready-Made Lingual Bars are stronger, yet take up less space in the vulcanite, they give a neater denture that provides greater comfort.

They will fit 90% of your cases without manipulation and can be bent and rebent without breaking.

Always specify "Williams" when ordering from your dealer.

PRICES:

<i>Long</i>	
18K Gold Platinum	\$4.00
16K Gold Platinum	2.50
<i>Medium</i>	
18K Gold Platinum	\$3.75
16K Gold Platinum	2.25
<i>Short</i>	
18K Gold Platinum	\$3.50
16K Gold Platinum	2.00
<i>Gold Cased (20% 18K)</i>	
Long, Med. or Short	\$1.50
Per dozen \$15.00	

Specify
Williams Golds

Plates
Shells
Wire

Solders
Clasps
Nuggets

Casting Gold
Lingual Bars
Filling Golds

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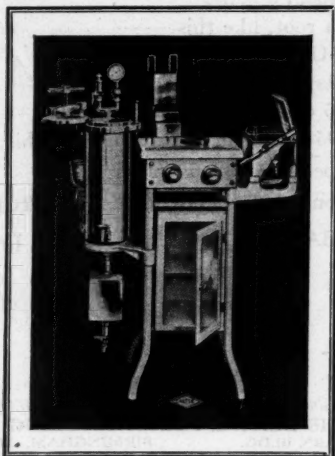
Plea
No. 14

Dr.....

Addres

Dealer.

CASTLE



Brings hospital safety right into your own office

Haven't you often wished that you could operate in hospital environment—in order that there might not be even the very slightest opportunity for any unfortunate chance jeopardizing your technique?

Removing All Chance

The last element of chance is removed when you sterilize non-boilable material in steam at 20 pounds pressure.

Here is a sterilizer that gives you hospital equipment within the confines of your own office.

Aren't you anxious to know all the things this sterilizer will do—*why* it does all it does?

This coupon brings interesting, helpful data quickly.

Wilmot Castle Company, 1158 University Ave., Rochester, N. Y.,
Makers of the largest line of sterilizers for dentists, physicians and hospitals

Please send me, without obligation or charge, full data on your sterilizer No. 1415.



Dr.

Address




Dealer

CASTLE

ON TO CLEVELAND! SEPTEMBER 10th-14th

why pay 60 cents
for a facing, like this, —————→ 
then spend 2 hours,
baking on a root, like this, —————→ 

—OR—

pay 50 cents for a facing like this, —————→ 
then pay 25 cents for a section, like this, —————→ 
then pay 95 cents for a backing, like this, —————→ 
then spend 2 hours assembling,

when you can buy AN INTEGRAL, INTERCHANGEABLE,
PERFECTLY BAKED REDI MADE ROOT FACING for \$1?

a Satisfying
set of

REDI MADE

Super-Sixes



ask
YOUR
DEALER
He Knows!

For Description, Indication, Technique and Advantages, FULLY ILLUSTRATED, Address,
DIXIE DENTAL MANUFACTURING CO.
BROWN MARX BLDG. BIRMINGHAM, ALA., U. S. A.

Before Going Away On Your Vacation

Use NEO-BALSAM COMPOUND For
FILLING of DECIDUOUS TEETH, PULP CAPPING, ROOT CANAL
FILLING, and as a DESENSITIZER.

We will guarantee to save you time, trouble and expense before and after you return

Because Neo-Balsam Compound has a combination of invaluable virtues that no other preparation possesses. It is the result of many years research work by Dr. Ewing P. Brady, Prof. of Chemistry at the Washington University School of Dentistry.

Order a package of Neo-Balsam Compound and its Solvent; price for both \$3.25. (The Solvent retards the setting and softens it should removal ever be necessary.)

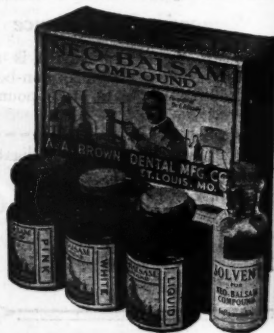
Try it out on any one of the above uses. If you do not find that it saves you time, trouble and eliminates pain; if it does not stand for one of the biggest advancements in modern dentistry, to say nothing of saving the expense of buying four different preparations at a greater cost; return to your dealer and he will give you full credit for any unused portion.

Sold by first class dealers.

A. A. Brown Dental Mfg. Co.

456 No. Boyle Ave.

St. Louis, Mo., U. S. A.



ON TO CLEVELAND! SEPTEMBER 10th-14th

Over \$5,000,000 Worth
of RITTER UNITS have
been Purchased by
the Dental Profes-
sion during the
Past Six
Years

If you have a
Ritter Unit write
for booklet ex-
plaining the uses
of the Air and Elec-
trical Appliances



Write for Literature

RITTER DENTAL MFG. COMPANY Inc.

ROCHESTER, NEW YORK

ON TO CLEVELAND! SEPTEMBER 10th-14th

No Instruction Book Needed

THE time required to write an instruction book on the operation of a complicated X-Ray apparatus was devoted to making THWAITES so simple that an instruction book is not needed.

It's as easy to operate as a camera—you merely press the button.

And it's Safe, too—everything is enclosed.

Meet us at the National Convention, space No. 146

Let us send you a catalog



THWAITES
X-RAY COMPANY
GRAND RAPIDS, MICH.

ON TO CLEVELAND! SEPTEMBER 10th-14th

TEAR OUT, SIGN AND MAIL FOR FREE SAMPLE!

Wherever the brush will
reach, there will be

No Tartar!

Pick out the worst case of rapid tartar formation you can find. Put that patient on Mu-Sol-Dent, the first and only efficient mucin solvent dentifrice. Twice daily Use Mu-Sol-Dent. Observe results from time to time, and you will be amazed to find that tartar formation will be prevented wherever the brush will reach. The reason is simply that Mu-Sol-Dent dissolves the mucin plaque which is the binder in tartar. With this binder removed, the lime salts have no means of attaching themselves to the enamel. Make the test at our expense! Tear out this ad and mail with your business card, and free sample will be sent.

V. B. Corporation
916 Forbes St.
Pittsburgh, Pa.

Name

Address

City J-O

Mu-Sol-Dent
Dissolves Mucin



ON TO CLEVELAND! SEPTEMBER 10th-14th

TEAR OUT, SIGN AND MAIL FOR FREE SAMPLE!



GOOD MIXERS

Most Plaster Spatulas are too limber to mix plaster as it should mix.

That is a job which requires a stiff blade that will not bend at the slightest pressure, and which will keep the particles of plaster moving in the water until a thorough mix has been accomplished.

The BUFFALO DENTAL No. 3½ and No. 2½ Special Plaster Spatulas are ideal, in that they have broad stiff blades, two and one half inches and three and one half inches long respectively, with extra long handles.

They are made for the purpose and will give excellent service. Ask your Dental Dealer.

PRICES

No. 2½.....	55 cents
No. 3½.....	65 cents

**BUFFALO DENTAL
MFG. CO.**

BUFFALO, N. Y., U. S. A.

Lock Box 979



No. 3½



No. 2½

*Have you tried Buffalo
Articulating Paper?*

ON TO CLEVELAND! SEPTEMBER 10th-14th

Did You Ever Use— Jodo-- Formagen Cement?

If you are not already a user of Jodo-Formagen-Cement, order a regular box from your dealer or direct from us. We know you will be surprised and delighted with its effective qualities, as are thousands of other dentists.

Jodo-Formagen arrests pain quickly and it will dry up the secretions—assist in granulation—and permanently heal.

It will quiet hyper-sensitive dentine, allowing the performance of painless operations.

Regular size package, \$2.00.

Double size package, \$3.00.

Imported package, \$2.50.

Gustav Scharmann,
181 Broadway
New York City



Literature
on Request

Send for This New Free Pamphlet!

Arsphenamine
Treatment of
Spirochetic Gingivitis

with

Dental Arsphenamine
Alkalinized, D. R. L.

Made under license from
The Chemical Foundation, Inc.

The Dermatological Research
Laboratories
Philadelphia, Pa.

Branch of

The Abbott Laboratories
Chicago, U. S. A.

Of Interest to Every Dentist!

How to use Arsphenamine by topical application for spirochetic gingivitis, angina, "trench mouth" and similar oral infections.

The Abbott Laboratories
DEPT. 79 CHICAGO, ILL.

New York San Francisco
Los Angeles Toronto Bombay

Makers of Butyn.

USE THIS COUPON

The Abbott Laboratories, Dept.
Chicago, Ill.

Send me your new free pamphlet on the Arsphenamine Treatment of Spirochetic Gingivitis. Also literature on Butyn.

Dr.

Address

Dealer's Name

ON TO CLEVELAND! SEPTEMBER 10th-14th

What's all this talk about salivary glands?

Six tiny salivary glands!

Are they really so important as certain national advertisements would lead us to believe?

For one thing, without them we could not live. That we know.

We have records, furthermore, of most alarming tooth decay and systemic weakness when their functions are seriously impaired. Scientists have studied these glands by means of an instrument known as the *sialometer* and have definitely proved that they are twenty times more active when we are chewing than when our jaws are at rest.

They have proved that saliva, as it flows from the glands, is alkaline and sterile.

Knowing this and bearing in mind that tooth decay starts with the attack of mouth acids on the enamel, the tremendous importance of the salivary glands in oral prophylaxis is apparent at a glance.

Properly stimulated, they act as a natural protection against tooth decay. They have to be stimulated because the diet of to-day is too soft to necessitate adequate chewing.

The use of PEBECO TOOTH PASTE, a truly scientific preparation, gently stimulates the salivary glands so that they pour forth for a considerable time a copious flow of protective alkaline saliva. This not only washes clinging food particles from the interstices of the teeth, but by its presence in the oral cavity counteracts "Acid-Mouth".

All this talk about salivary glands is founded squarely on facts. Can't we send you our booklet "How the Glands Protect the Teeth" and a box of samples of PEBECO? Simply send us your name on a postal; we'll understand.

PEBECO REG. U. S. PAT. OFF. TOOTH PASTE

Manufactured only by

Lehn & Fink, Inc.

635 Greenwich Street,

New York City

ON TO CLEVELAND! SEPTEMBER 10th-14th

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man \$8
in five

Name

Address

City and

Write m

New System **Increases Net Income** *- cuts losses*

A leading dental surgeon wanted to increase his income without expanding his practice. He knew he could do it by keeping an accurate record of time on each patient in the chair and laboratory.

He designed a complete system to record appointments, time spent, charges, receipts, and money paid out for every item.

This remarkable system has been assembled into one book, known as Simplified System of Business Accounting Daily Dental Record. When a patient leaves the chair the work done, location, time required, the charge and credit, also next appointment, are entered. Takes no longer than to enter an appointment in a regular book. No forgetting. You post as you work. When finished with the last patient of the day, your posting is also finished. The totals of every part of your business are always before you, to be seen at a glance.

Complete records assure collection of bill in court, protect you in case of damage suit and from fines for faulty income tax return. A model tax blank shows just how to make out return.

SEND NO MONEY

If your dealer can't supply you just mail coupon. We will ship Simplified System at once. Pay postman \$8 and examine it. If not entirely satisfied send it back and we will refund your money.

SHOLTY PRINTING CO.

1751 Van Buren St., Chicago

Sholty Printing Co.,
1751 Van Buren St., Chicago.

Please send Simplified System. Will pay postman \$8. If not entirely satisfied I will return it in five days and you are to refund my money.

Name _____

Address _____

City and State _____

Write name and address of dealer in space below

Nature will not meekly stand aside —

One cannot, in oral prophylaxis, hope to subdue Nature—to replace natural functions—by ruthless use of chemical compositions which take no account of Nature's laws.

Oleoseptine was compounded in the light of this great truth. It is the oral antiseptic which works in close harmony with Nature's own antiseptic—saliva.

Oleoseptine

stimulates rather than inhibits the salivary flow. It is neutral in its action upon ptyalin, the digestive principle of saliva.

It would have been easy to devise a formula for an absolutely neutral antiseptic. It was not so easy to devise a formula embracing the elements desirable in an effective antiseptic yet harmonizing with natural function.

The result was Oleoseptine, and we would like to have you test it and report your findings to us, if you will. Use the coupon or send your card.

The Foster Laboratory,

95 Roseville Avenue, Newark, N. J.

Please send free sample of **Oleoseptine** to:

Dr. _____

Address _____

Druggist _____

ON TO CLEVELAND! SEPTEMBER 10th-14th

Why waste your energy?

by using cheap and inferior instruments in the tedious operations of pulp and canal cleansing?

The clean-cut, sharp barbs of Donaldson Broaches will reduce to a minimum the work in connection with pulp removal.

They are made of the best spring tempered steel by folks who have had thirty years experience in making just such instruments.

Ask your dealer.

~~DONALDSON~~

DONALDSON DENTAL MFG. COMPANY

1904 M Street, N. W.

WASHINGTON, D. C.

Why Pay more ?

The Gardner Centrifugal Casting Machine costs only \$27.50, Complete—45% lower than its nearest competitor.

And yet it will cast inlays, crowns, bridges, saddles, etc., fully as well as any other machine, at any price.

It runs in ball bearings, and will last a lifetime. Fully guaranteed.

M.F. Patterson Dental Supply Co.

406 Sixth Avenue So.
Minneapolis, Minn.

Send this ad for complete illustrations.

Clip
this
ad



Get the Free Sample—then you will know why nearly a quarter million jars have

been used by the profession for abscessed teeth. J. A. Sprague & Co., Columbus, Ohio.

Dr. Kidder's Sectional Impression Trays

always give perfect partial impressions. And for perfect amalgam and porcelain inlays and fillings use

Kidder's Matrix Strips with the enlarged cervical edge.

Your dealer or W. N. KIDDER
433 Westminster St., Providence, R. I.

ON TO CLEVELAND! SEPTEMBER 10th-14th

Ever Perforate the Side of a Root?

Here's something that prevents doing it—and that enables you to perform an otherwise difficult operation *quickly and easily*.

You insert the guide pin (shown in the cut) in the root canal the distance required for the post. Remove the guide pin from the canal placing it in the *hollow bur* which has previously been fitted in the handpiece. The guide pin is again placed in the canal the required distance for the post and securely held with the fingers while the hollow bur revolves around it and is *guided* through the *center* of the canal, preventing perforation.

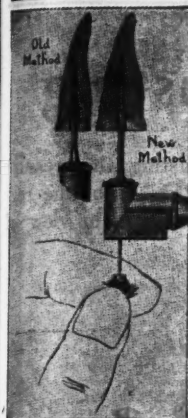
When you use Dr. Craig's Non-Perforating Root Canal Drill you will say: "Why didn't somebody think of this before?"

Price, complete, \$1.00; additional guide pins, \$1.00 doz.: set of three sizes, complete, \$2.75.

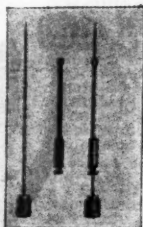
Direct or through your dealer—

Dr. Joseph E. Craig

738 Broadway, Gary, Indiana



This bur is made in three sizes, Nos. 4, 5 and 6. No. 6 can be used for practically all upper teeth. Nos. 4 and 5 can be used for all lowers and small upper laterals.



Patented

The Ideal Analgesic

for post-operative pain
is

Gibb's Nuremedy

QUICK, SURE AND SAFE!

Contains no acetanilid, opiate or habit-forming drugs.

Sold by Dental Dealers or Direct.

100 Tablets,	-	-	\$.75
500 Tablets,	-	-	2.90
1,000 Tablets,	-	-	4.75

CENTRAL LABORATORIES CO.

4210 OLIVE STREET, ST. LOUIS, MO., U. S. A.

Write for samples.

ON TO CLEVELAND! SEPTEMBER 10th-14th

Controlled Casting

Casting with the Burns is *controlled* casting; the pressure can be regulated to any desired degree by means of the regulator—and the entire casting operation is in plain view of the operator.

The U. S. Government has indicated its preference for the Burns as has practically every dental college and a host of private practitioners.

Let us tell
you how to
secure 100%
casting results
—a brief, in-
teresting, in-
structive
booklet free.

Burns Dental Casting
Machine Co., Inc.
Factory 88 State Street
Flushing, New York City

Sold by dealers.



No. 1 Machine

For laboratories in buildings supplying compressed air.

We also make a No. 2 Machine for laboratories in buildings not supplying compressed air. This is equipped with pump.

ON TO CLEVELAND! SEPTEMBER 10th-14th

The Degree of difference



It is quite difficult to express, in words, the DEGREE OF DIFFERENCE between Mynol Local Anesthetic and other locals. When we say it is non-toxic, antiseptic, isotonic, non-depressant and stable—that its use is NOT followed by after-effects—that it causes no irritation, no post-pain, no inflammation, no sloughing—we do not begin to do real justice to the preparation, because these statements may be and are made regarding other locals.

One may say: "This operator is skillful" and "That operator is skillful"—but there is a DEGREE OF DIFFERENCE which the descriptions, though truthful, do not cover. And there is a DEGREE OF DIFFERENCE between Mynol and other locals which may only be learned through USE of Mynol Local.

That is how scores of dentists, who contributed their statements to our booklet "Dentists Say—" learned the sharp distinction between Mynol Local and the others. We shall be glad to send "Dentists Say—" upon request.

INTRODUCTORY OFFER

And so that you may, at our expense, have the opportunity of discovering the DEGREE OF DIFFERENCE as these men discovered it, we will send you upon receipt of the coupon a full-sized 4-oz. bottle of Mynol Local Anesthetic—regularly sold for \$2.00—for \$1.00. And your dollar will have a string tied to it in the shape of our promise to return your money instantly if you decide, after use of it, that you would rather have your dollar than the empty bottle.

THE MYNOL CHEMICAL COMPANY, Real Estate Trust Building,
Philadelphia, Penna.

I accept your Introductory Offer and enclose \$1.00 for regular \$2.00 four-ounce bottle of Mynol Local, my money to be returned if I don't like the preparation.

Dr.

Address.

Dealer.

ON TO CLEVELAND! SEPTEMBER 10th-14th

KEITH'S LATEST HIGHLY IMPROVED
DENTIST'S ARTICULATING PAPER

BLUE
S. H. REYNOLDS SONS COMPANY, 100 Boylston Street
BOSTON, MASS., U. S. A.
SOLE SELLING AGENTS



It has finger
protectors and
is extremely
sensitive.

S. H. Reynolds Sons Co., 100 Boylston St., Boston, Mass.

No More Pimpled Inlays—

Gray Jacket!—sample free. Popular with users for eight years. Pieper Dental Manufacturing Co., 209 Garden City Bank Building, San Jose, California.

P
E
N
T
Z



ECONOMY!

Why run a sterilizer for instruments, another for dressings, a water heater and an investment heater, when a Pentz sterilizer with small current consumption will take care of all of this work? New booklet ready.

The Sanitiseptic Mfg. Co., Inc. Staten Island, N. Y.

What is dental bookkeeping, anyway?

It is nothing more than keeping a record of services rendered, of cash received, of expense undertaken.

The Doctor's Dollar Summary enables you to keep this information in simple, orderly fashion—and do it easily, which is important to a professional man. It covers also investment records and income exemptions, arranged so that your income tax figures are automatically shown at the end of the year. Order your Doctor's Dollar

Summary now from your dealer or direct—and quit worrying about bookkeeping.

The income tax installments you paid in June might have been considerably less had you been using this unique method of record-keeping.

Price, \$10.00, postpaid in U. S. Purchase price will be refunded if book is returned for credit within 10 days.

G. A. Ostermeier, New London, Wisconsin.

ON TO CLEVELAND! SEPTEMBER 10th-14th

REMEMBER!!!

WACKLER'S

PULP SEAL
FORMULA OF E. C. Wackler D. D. S.

IN USE SINCE 1900

Is not a "tried out in the laboratory" proposition, but a Preparation, **"USED IN THE TEETH—IN THE MOUTH,"** since 1900, without a single failure.

Wackler's Pulp Seal does eliminate removal of pulp tissue from root canals, after devitalizing.

Wackler's Pulp Seal is used for filling root canals, rendered aseptic.

Powder and liquid—you mix 'em. Price \$3.00 per package.

Manufactured only by

E. C. WACKLER DENTAL MFG. CO.

Milwaukee, Wis., U. S. A.

There are many specific summer uses for—

Sodiphene

TRADE MARK REGISTERED

"First Aid for the Family"

The dentist will be interested to know, not only for valuable information in his office, but in his own home as well, that Sodiphene has many specific summer uses in addition to the dental ones.

It is effective:

for sunburn, mosquito and chigger bites and poison oak and ivy;
 for tender and irritated skin;
 for cuts, burns and bruises.

Sodiphene is such an efficient healing agent, because it is more than an antiseptic—a soothing, healing germicide. It serves the year around as a dependable mouth wash and gargle.

Professional package sent
 upon request. Address

THE SODIPHENE COMPANY

928 Central Street

Kansas City, Missouri.

ON TO CLEVELAND! SEPTEMBER 10th-14th

Oral Hygiene Bulletin

ORAL HYGIENE is mailed monthly to every dentist whose name can be secured. The circulation guarantee is a minimum of 45,000 copies per issue. The present circulation exceeds a monthly average of 53,000 copies.

The page is restricted to help and positions wanted, practises wanted and practises for sale. The rate is 10c per word, initials and figures each counting as a word, each initial and figure of the address also counting as a word, as well as the heading.

Copy must be in the hands of publisher by first day of month preceding date of publication. Cash must accompany all orders.—ORAL HYGIENE, PITTSBURGH, PA.

FOR SALE—Office devoted exclusively to dental X-Ray work. Oldest established office in city of over three hundred thousand. A bargain price. Reason: ill health. "S" ORAL HYGIENE, Pittsburgh, Pa.

Position wanted: All around laboratory man. Best of references given. "T" ORAL HYGIENE, Pittsburgh, Pa.

DENTISTS WANTED: First class active operators registered in Texas. No laboratory. Good salary. Feller & Nethery, Union Painless Dentists, 322 West Commerce, San Antonio, Texas.

FOR SALE: Fully equipped dental office with cash practice in southwest Missouri county seat town—population one thousand—fifteen surrounding county towns without a dentist; no competition in radius of twenty miles. Good location. Rent and other expenses very low. Price \$750 cash for immediate possession. For particulars write Dr. G. B. Herndon, Buffalo, Mo.

Excellent opportunity for a first-class dentist not afraid of work and willing to co-operate with a group of doctors. Address The Warren Clinic, 90 Warren Avenue East, Detroit, Michigan.

OFFICE FOR SALE: Superior & E. 105th Street, Cleveland, Ohio. Will sell very low account leaving the city. Price \$1,000—terms on part. Write Dr. A. G. Donaldson.

SALESMAN WANTED: Unusual opportunity for high grade dental salesman to locate with a progressive dental depot. Possibilities for advance are unlimited. Capable man can obtain interest in business. Location south-eastern section Pennsylvania. Give full particulars of past experience, salary expected etc. in first letter. Correspondence treated strictly confidential. Address "Salesman" ORAL HYGIENE, Pittsburgh, Pa.

FOR SALE—Practice in southern Wisconsin city of twenty thousand. Excellent practice and equipment. Address Wright Dental Supply Co., P. O. Box 65, Madison, Wisconsin.

FOR SALE—Beautiful office in Ohio; modernly equipped, 2 chairs, gas machine. Located on best corner in town of forty-five thousand. Advertising. Doing \$350 weekly. "Stone" ORAL HYGIENE, Pittsburgh, Pa.

WANTED—Dentist, office in up-to-date hospital with A-1 surgeon. Live town, large territory. Canova Commercial Club, Canova, So. Dakota.

FOR SALE—Vermont—2 man modernly equipped semi-advertising dental office doing twelve thousand dollars yearly cash business. High class practice, good prices. Exceptional opportunity for dentist wishing to locate in Vermont. Worth six thousand dollars but can be bought for much less, part cash—balance on time. Answer only if you mean business and have two thousand dollars cash to put down. Then investigate. Other business necessitates sale. First reasonable offer takes it. "P" ORAL HYGIENE, Pittsburgh, Pa.

DENTIST WANTED—Operator registered. In Loop or suburban office. C. H. Lietzman, 135 S. State Street, Chicago, Ill.

FOR SALE—Laboratory in Peoria, Illinois. Splendid business for good mechanic. \$2000 cash will swing it. Going west first of September. Kraus Dental Laboratory.

Office rooms suitable for a dentist on the main street in Washington D. C. Apply 611 7th Street, N. W., Washington, D. C.

WANTED—Dentist licensed in Montana; must be good workman and good extractor. Position steady and good salary. Not later than July 15th. Box 148, Great Falls, Montana.

Completely furnished 3 chair semi-advertising office doing twelve thousand dollars. Price three thousand dollars—one thousand dollars cash, balance terms. A rare opportunity for 2 hustlers. Drs. B. & K, ORAL HYGIENE, Pittsburgh, Pa.

WANTED—Dentist. Snappy all around man, chair and laboratory, in busy manufacturing city in New Hampshire. Salary or half interest. Miss R. H. Fenton, P. O. Box 235, Dover, N. H.

FOR SALE—Dental office, good equipment, steam heat, electricity; established twenty years, no competition. Retiring. Dr. F. Blanchard, Ohio, Illinois.

COLLECTIONS—Dental accounts only. Anywhere U. S. no collection—no charge. Debtors located. References: Continental & Commercial Bank, Chicago. Edward E. Collins, Hartford Building, Chicago.

FOR SALE—Clean practice and A-1 equipment. A first class man wishing to locate in Montana would do well to investigate. Sell less than invoice; the proposition is unusual. Going to specialize. Dr. H. F. Best, P. O. Box 66, Dillon, Montana.

WANTED—Unmarried dentist for India. State age, qualifications, experience and send photograph to Box "Q" ORAL HYGIENE, Pittsburgh, Pa.

(Continued on page 1122)

DEE SOLDERS ARE WELL WORTHY OF YOUR ADOPTION

You'll Never Know Real Solder Satisfaction
Until You Say "DEE'S" To Your Dealer.

Thomas J.

DEE & CO.

Refiners and Manufacturers

GOLD—SILVER—PLATINUM

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Purchasing and Sales Dept.
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ON TO CLEVELAND! SEPTEMBER 10th-14th

Oral Hygiene Bulletin

FOR SALE—High class ethical practice, eighteen years best location in Kentucky county seat. Six thousand population. Office modernly equipped including powerful X-Ray for body work. Long lease can be renewed—cheap rent. Used for dental office thirty-five years. Cash receipts sixty-five hundred dollars yearly—guaranteed. Healthy mountain climate, best fishing and hunting in United States, ideal schools and churches. Office and practice ready to step into now, except instruments. One half cash, balance in bankable notes. No triflers. "T.D.D.C." ORAL HYGIENE, Pittsburgh, Pa.

FOR SALE—Dental office in Calgary, Alberta, Canada, sixty-five thousand population, doing good business, low overhead. No credit. Sell at invoice. "F" ORAL HYGIENE, Pittsburgh, Pa.

QUICK COLLECTIONS—Send us your accounts today and get "Quick Results." Collections made everywhere. Wm. H. Dodd, 87 Nassau Street, New York. Established 30 years, one address.

FOR SALE—Ethical practice in industrial city in western Pennsylvania, population twenty thousand. No strong competition. Reason for selling—going to specialize. "XYZ" ORAL HYGIENE, Pittsburgh, Pa.

FOR SALE—My deceased wife's dental equipment—S. S. White Chair, Ritter Lathe, Wilmot Castle Sterilizer, Stebbins Cabinet, Buffalo Vulcanizer. All new, first class condition, county seat town. Competition one ethical dentist, wide territory, good location for recent graduate. Terms or cash. R. B. Hayes, M. D., Guymon, Oklahoma.

Positions for experienced dentist of good character and habits, registered in Pennsylvania. Good salary and commission. Address 501 Market Street, Pittsburgh, Pa.

WANTED—Dental hygienist registered in Pennsylvania. New Ritter equipment. Salary and commission. Excellent opportunity for competent hygienist. Address Dr. Bruce Clark, Uniontown, Pa.

COPLEY SQUARE dental office—equipped—to sublet for summer with possibility of becoming associated with resident dentist in the fall. Practice turned over for summer on percentage basis. Room 6-55 Boylston Street, Boston, Mass.

Dentist wanted registered in Kentucky, good appearance and trustworthy. This is a semi-advertising office doing a nice clean high class business. I have a very attractive proposition for the right man. I can use any dentist who is registered in Kentucky. Must not be over forty years old and is willing to learn or has had considerable experience. Salary no object. Must be registered in Kentucky. Apply to Dr. O. F. Metcalf, 566 S. Fourth Street, Louisville, Ky.

WANTED—"Toothache" movie film produced by ORAL HYGIENE several years ago. Please quote price if you have this film to offer. "U" ORAL HYGIENE, Pittsburgh, Pa.

Lincrowns

are those handy, ready-made gold crowns that so many dentists everywhere are using and have been using in increasing quantity for several years.

With \$50. worth of Lincrowns we will give you Free, a beautiful Mahogany Lincabinet and a Lincrometer.

Order Lincrowns through your dealer in assortments.

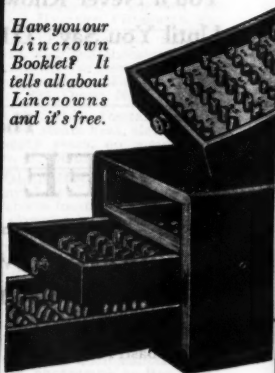
Assortment No. 1, \$28.20 (6 molars, 6 Bicuspid, 12 Anterior).

Assortment No. 24, \$31.30 (12 Upper and Lower Molars, 12 Upper and Lower Bicuspid.)

"Link up with Lincrowns—Worth more than their weight in gold."

LINCOLN DENTAL MFG. CO.
1600 Chestnut St.
PHILADELPHIA, PA.

Have you our
Lincrown
Booklet? It
tells all about
Lincrowns
and it's free.



ON TO CLEVELAND! SEPTEMBER 10th-14th

Porcelain Jacket Crowns

OUR PRICE, \$6.00

Every Crown Guaranteed



REQUIREMENTS:—

With suitable discs, burs and stones prepare tooth ovally cone shaped (Fig. 1.)

With suitable burs cut a sharp, square, well defined shoulder around neck of tooth just under gum margin, (Fig. 1.) For extending shoulder under gum margin without laceration of tissue, use an end cutting bur, which is a bur having no cutting surface except at the extreme end.

Make a tube of thin copper or other metal. The tube should fit loosely around neck of tooth and should be shaped to follow closely the festoon of the gum margin (Fig. 2.)

Fill the metal tube with Kerr's or S. S. White's modelling compound and take impression of tooth (Fig. 3.) The impression must accurately show the sharp outlines of shoulder around neck of tooth.

Before taking impression coat tooth with vaseline.

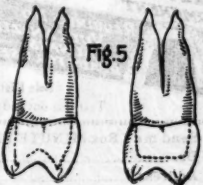
Designate the labial surface of the metal tube by scratching an X (Fig. 3.)

Now take a tray impression in pink base plate wax, including three or four teeth, being sure that you get a good impression of the prepared tooth. Also take a pink wax bite.

Send to us with shade and we will return to you the most beautiful and true-to-Nature porcelain crown that can be produced.

A common fault is to leave tooth too full at labio-incisal angle which makes a thin, weak spot in the crown (Fig. 4 left). The correct preparation is shown in Fig. 4 right. In preparing molars and bicuspids do not leave sharp angles as in Fig. 5 left. The correct preparation is shown in Fig. 5 right.

We SPECIALIZE in Porcelain Rooted and Porcelain Tipped Bridge Work.



Everything known to Prosthetic Dentistry is handled here by trained experts. Consult us regarding your difficult cases.

Write for price list and large book of beautiful illustrations.

REESE & WIEDHOFFT

Prosthetic Specialists

215 N. Michigan Blvd., Chicago, Ill.

ON TO CLEVELAND! SEPTEMBER 10th-14th

A Booklet That Should Be On Your Desk

WE have just published a beautiful booklet, describing our casting golds in detail and giving color and melting point of each.

It is a little work that should prove very handy, when you have to decide just what material would be best for the case in hand.

It's yours for the asking, doctor, but the edition is limited, so won't you send us your name now.

BAKER & CO., INC.

54 Austin St., Newark, N. J.

30 Church St., New York 5 So. Wabash Ave., Chicago



THE CAMPHO-PHENIQUE PRODUCTS

CAMPHO-PHENIQUE OINTMENT, (Oleated Campho-Phenique.) For the treatment of skin diseases, particularly obstinate varieties of eczema in adults or children. It is beneficial also in scrofulous or syphilitic skin sores, Seborrhea, Psoriasis, Barber's Itch, Scabies, Rash and Eruptions. It gives the most gratifying relief in Itching Piles.

If not obtainable at the Drug Stores, order direct. We will send to any Physician, Surgeon or Dentist anywhere in the United States, postpaid, on receipt of price.

CAMPHO-PHENIQUE LIQUID, 4-ounce size.....\$1.20

CAMPHO-PHENIQUE LIQUID, small size......30

CAMPHO-PHENIQUE POWDER, in sifter top cans.... .75

CAMPHO-PHENIQUE OINTMENT, 4-ounce cans..... 1.20

Samples mailed on request.

Address: **CAMPHO-PHENIQUE CO., St. Louis, Mo.**

HOLG. -- Minute Plate Repair

PERMANENT

REQUIRES NO
VULCANIZING
ALWAYS
READY FOR USE



STRONG AND DURABLE

For replacing one or more teeth on vulcanite plates instantly without re-vulcanizing, a material that lasts the life of the plate, repairs made while patient waits. Used for many years with satisfactory results.

MODERN DENTAL SPECIALTIES CO.

Sole Distributor, Charles Holg Dental Depot, 5 So. Wabash Ave., Chicago, Ill.

Tear this out and mail it to your dealer, or will send direct upon receipt of \$3.00 check

Send me 1 Box **MINUTE PLATE REPAIR** (enough for 30 to 40 repairs) \$3 00

Dr. _____

Address _____

ON TO CLEVELAND! SEPTEMBER 10th-14th



U. S. Pat. Nos. 775478 and 845822

Save Laundry Bills

—use
**Hygienic Dental
Head Rest Pads**

Hygienic Dental Head Rest Pads cost at the rate of only \$1.50 per 200 sittings; just before the patient gets into your chair, you tear one sheet from each pad—providing a fresh, clean surface. What does it cost to buy, launder and replace old-style head rest napkins?

How long does it take to change old-style napkins, between sittings?

Phone your dealer to send Hygienics now.

Made of 2 grades of paper. Our No. 2 pads are white crepe paper.

Our No. 4 pads are impervious paper.

Either style \$1.50 per box. Two pairs to a box, enough for 200 sittings.

Gustav Scharmann, 1181 Broadway, New York, or at your dealer.

IPANA TOOTH PASTE

**Heals Bleeding
Gums**

*"I will recommend this
tooth paste exclusively"*

The above quotation is from a letter from one of your brother dentists.

He says this because he has tested Ipana and knows that it contains no grit, is deodorizing, hemostatic and stimulating in its action and safely performs the antiseptic and cleansing functions vital to a dentifrice.

*You and your patients
should know and
use IPANA*

A professional sample
awaits your card.

**BRISTOL-
MYERS CO.**

42 Rector St.
New York
City

*Makers of
Sal Hepatica*



ON TO CLEVELAND! SEPTEMBER 10th-14th

The Care of the Teeth



The chief adjunct in dental prophylaxis is the dentifrice. Dentists now quite generally agree that the best dentifrice is a tooth powder.

Calox—The Oxygen Tooth Powder—has just sufficient abrasive quality to remove accumulated food debris from the surfaces of the teeth, and to polish away the dental plaques, which are so frequently a nidus of tooth decay.

Calox is an antacid, overcoming acid mouth conditions, by neutralizing the accumulated acid that results from fermentation of food particles.

It also liberates nascent oxygen, on contact with the mouth fluid. This destroys the bacteria of tooth decay. It also oxidizes effete particles of food debris lodged in the interstices of the teeth, which favor putrefactive fermentation, and the reaction from absorption.

As an adjunct measure in prophylaxis, instruct your patient also to rinse the mouth morning and evening with McKesson & Robbins' Milk of Magnesia. McK. & R. Milk of Magnesia is a true colloidal salt, with a perfect affinity for free acids.

Besides neutralizing whatever acid may be present in the mouth, McK. & R. Milk of Magnesia forms an alkaline coating over the surfaces of the teeth, thereby protecting the enamel of the tooth surface in both a mechanical and a chemical way.

Dentists who are not familiar with Calox or Milk of Magnesia, are invited to send their professional card for liberal samples of both these products.

McKESSON & ROBBINS

INCORPORATED

91 FULTON STREET,

NEW YORK CITY

ON TO CLEVELAND! SEPTEMBER 10th-14th

when barbers
were tooth-pullers—



and charlatans and quacks were entrusted with the care of our teeth—the extraction of money was more important than the extraction of teeth.

To-day, the patient is no longer the victim nor is the doctor mercenary; his ambition is to cure and restore.

To restore the gums the use of

GUM LYKE

enables the doctor to give his patient all the benefits of modern dentistry for

GUM LYKE is gum like

A PERFECT REPRODUCTION OF THE HUMAN GUM

"Looks as if it would bleed if it were cut"

\$2.50 the quarter pound. At all dealers.

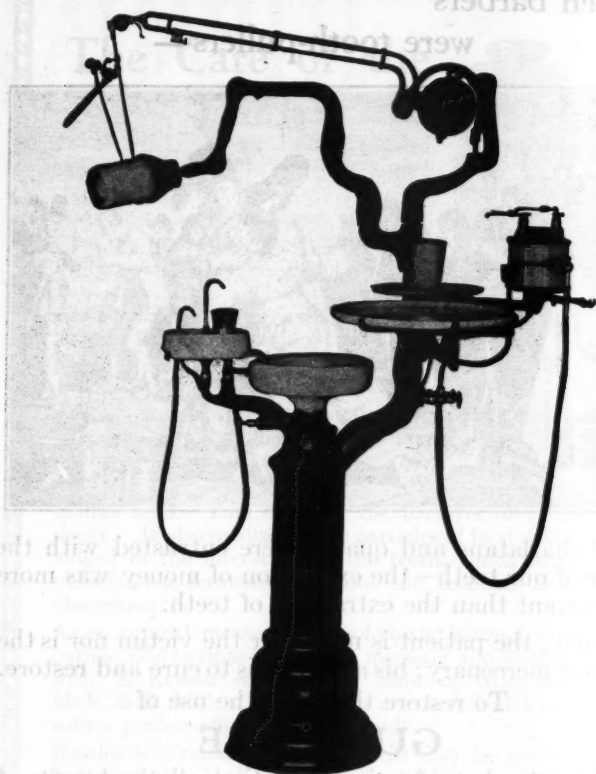
Industrial Rubber Corporation

Long Island City, N. Y.

makers of better dental rubber

If you've not used Gum Lyke. Ask for Free Sample.

ON TO CLEVELAND! SEPTEMBER 10th-14th



Weber Special Unit, Model "E"

This model consists of Fountain Cuspidor, either No. 55, 50 or 46, Weber Spray Heater, Automatic Cut-off with tubing and connections and Chip-blower; Bracket Table; Auxiliary Table; Bunsen Burner; Waste Cotton Receptacle; Adjustable Dental Light; pipes for Gas and Air and Sub-base for either concealed plumbing or pipes above the floor.

Write for prices and illustrations of other Models we make ranging in price from \$190.00 to \$240.00.

The Weber Dental Manufacturing Co., Canton, Ohio

ON TO CLEVELAND! SEPTEMBER 10th-14th

THE
Plea
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Name

Address

Answers to Pepsodent questions

No. 1—Why No Soap?

Because soap is alkaline. Soap and chalk are incompatible with an acid tooth paste.

Alkalis are opposed to the principles on which Pepsodent is based. They reverse the effects which are now desired by dominant dental opinion.

Pepsodent, being mildly acid, acts to disintegrate the mucin plaque—to curdle or flake it—at all stages of formation. And its right application forces the acid wherever plaque may cling.

The mild acid also increases the salivary flow and reduces its viscosity. It increases the alkalinity of the saliva. It increases its ptyalin content, for better digesting starch deposits.

Every use gives increased power, in a natural way, to these great tooth-protecting forces in the mouth.

Absence of soap lubrication makes the polishing agent somewhat conspicuous. But that agent does not harm. It is softer than enamel.

Natural teeth have been brushed with Pepsodent up to 250,000 times without any ill effects.

This agent is a blend of calcium phosphate and anhydrous calcium sulphate. In its pure state, finely powdered as we use it, it forms the ideal polishing agent.

Send the coupon for full answers to all questions, and a tube for testing at your chair.

Pepsodent PAT. OFF.
REG. U.S.

The Modern Dentifrice

THE PEPSODENT COMPANY, 2823 Ludington Bldg., Chicago, Ill. 1224

Please send me, free of charge, one regular 50c size tube of Pepsodent, with literature and formula.

Name.....

Address.....

Enclose card or letterhead

AMALGAM that stays white

The word "white" in "Sterion White Alloy" means something. Sterion White *stays white* longer than any other amalgam does. Think what this means!

This is one of the reasons why Sterion White has been in use continually for more than a quarter century.

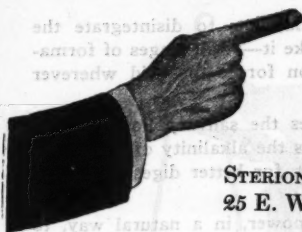
It is the original formula of Dr. A. C. Hewett.

It's silver content is 67%.

It's unlike any other alloy so there is no real substitute for it.

Price, one ounce, \$2.00; five ounces, \$8.50; ten ounces, \$16.00.

From your dealer—or direct.



STERION WHITE ALLOY COMPANY
25 E. Washington St., Chicago, Ill.
(Inc. 1900)

USE THE "WONDERFUL"

KAYLE ATTACHMENT

ON YOUR CLASPS

You can use them on any kind of a clasp

DON'T PRACTICE ORTHODONTIA

By forcing clasps over irregular teeth.

Allow your clasps to glide over them without straining
teeth or opening clasps.

TAUGHT IN SEVERAL COLLEGES
ACCEPTED BY THE DENTAL PROFESSION

Be convinced by references. Send for Illustrated Booklet.

KAYLE CO. Inc. 220 W. 42nd St.
NEW YORK.

—TELEPHONE 3349 BRYANT.—

ON TO CLEVELAND! SEPTEMBER 10th-14th

BLOODY NUISANCE

Lacerating Gums when cleaning teeth

HAKINS CLEANERS

Clean teeth without lacerating gums or abrading enamel. No spattering. Absorbs and carries liquid, powder or paste. Also ideal for polishing inlays and fillings.

\$1.00 a doz.
all dealers



1 Union Square,
New York

*Save Time and Improve
Your Casting*

with the

**STARK
WAX ELIMINATOR**



Only

\$3.⁵⁰

Money Refunded if not Satisfactory

**PROGRESS
DENTAL MFG. CO.**

1074 Eastern Parkway
Brooklyn, N. Y.

Order Directly or Through Dealer



This Advertisement

is placed at the outside edge of the page in order to make it easy for you to tear off that coupon and mail it in; because there isn't room here to tell you all we'd like to about the economical little Thermo-static Tumbler Warmer shown above.

**Here it is.
Mail it today**



**M. F. Patterson Dental
Supply Co.**

406 6th Ave. So., Minneapolis
Minn.

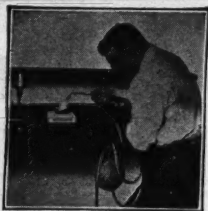
I want to hear more about
the Holmes Tumbler Warm-
er. Why is it economical?

Dr.

Add.

City.

ON TO CLEVELAND! SEPTEMBER 10th-14th



Prest-O-Torch intense heat flame where you want it, melts the most refractory metals without deteriorating them.

Your idea of heat control realized

There are no mental hazards when you cast or fuse with Prest-O-Torch flame. It's the greatest instrument of precision ever designed for laboratory work. Always ready—always dependable—responding to the slightest pressure of your trigger finger. It insures certain results—quicker results—better results. Prest-O-Torch flame does not carbonize or oxidize platinum or gold, and is more efficient than ordinary gas flame. It is available in modern office buildings, which are seldom piped for gas.

Your dental supply house will supply you with the Prest-O-Torch. Your Prest-O-Lite service station will exchange full Prest-O-Lite tanks for empty ones, charging you only for the gas.



Prest-O Torch flame of every degree of intensity and size, from fat brush flame to needle point at instant command.

Write us and we will gladly show you the evidence of, "Proof by Use" that Prest-O-Torch with Prest-O-Lite gas helps you to do better—quicker work. But the best proof is to try it.

Prest-O-Lite Gas and Prest-O-Torch

THE PREST-O-LITE COMPANY, Inc.

Small Tank Sales Department
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New York Office: 30 East 42nd Street

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DENTISEPTOL

Counter irritant, Pyorrhea astringent Germicide.

The last word in Therapeutic armament

A trial free sample will convince you

Send your professional card

THE CHEMICAL PRODUCTS CO., Incorporated
MEMPHIS, TENN.

Building A Practice

MOST people avoid the dentist's office as long as they can. Men and women will retain infection for months rather than subject themselves to a short period in the dental chair. The fear of discomfort holds them back.

The dentist who is anxious to build up his practice should overcome this "fear of discomfort." He should use every known means to eliminate discomfort and pain from his operations.

For Example,

SMITH'S'

CERTIFIED MEDI-CEMENT

makes it possible for you to insert temporary fillings with no discomfort to the patient. The old method of making temporary fillings with hot gutta percha inserted under pressure, causes considerable pain and discomfort.

The new method of making temporary fillings of Medi-Cement and inserting them at *normal* temperature, *without pressure*, and consequently with no discomfort, will assist in building up your practice.

LEE S. SMITH & SON MFG. CO.

Pittsburgh, U. S. A.

ON TO CLEVELAND! SEPTEMBER 10th-14th



This will fix it!

No matter how carefully, how skillfully a denture may be made, it doesn't always possess the perfect adaptation necessary to the patient's comfort. That's where B. P. P. comes in. With B. P. P. you can correct such a denture without remaking it. And you can use it too in correcting occlusion when difficulties arise through improper closing of the flask; and it does away with the grinding of the teeth.

B. P. P. is a non-elastic, plastic, vulcanizeable paste; it takes a very sharp impression.

A sufficient amount of paste is placed on plate, and is pressed to place. The excess squeezes out and only enough remains on plate to compensate for the defect.

Flask with one pour; no opening of flask necessary.

Vulcanize same time and temperature as vulcanite rubber.

Full directions with each package; enough for six to ten cases. Price \$3.50.

Colors, red and black.

For sale by all dental supply houses. If ordering direct, send money order or draft. Address Dept. H., Pioneer Mfg. Co., Macon, Missouri.

B. P. P.

ON TO CLEVELAND! SEPTEMBER 10th-14th

"I've never yet found a mirror that

WE'VE heard that hundreds of times at conventions. There are still many dentists who are pessimists on the subject of dental mirrors.

There are still many dentists who do not "specify Boilo."

They are the pessimists.

The Boilo guarantee insures complete satisfaction and unless Boilo Mirrors made good, that guarantee would send us to the poor house.

Instead of that, we sell more dental mirrors than all other manufacturers combined, but we are still trying to reach dentists who say that they have never yet found a mirror that was sterilizable.

We have a cure for their complaint.

You've guessed it.

It's Boilo Mirrors.



*Ask Your Dealer
for the*

"BOILO SIX"

SPECIALTY MANUFACTURING CO.

Makers of Unusual Mirrors

313 FULTON STREET

BROOKLYN, N. Y.

ON TO CLEVELAND! SEPTEMBER 10th-14th

"Pish-Posh" is not the word!

A reputable dental authority has claimed that the great majority of alloys are not worth the trouble to pack in a tooth.

Their claims as to being "balanced" — "containing enough silver" — etc., he characterized as "pish-posh." "Pish-posh" is not the word. It should be "Fiddle-Faddle."

Analyses in our laboratories show some so called balanced alloys to contain as little as 40% of silver. Can you expect; can your patient expect, service from such a filling? And yet you and your colleagues are continually deceived by these alloys. Your training, your reading and your professional experience teach you the necessity of 67% of silver in a dental alloy. Why not, then, demand an alloy that prints its formula on the box; that is unqualifiedly guaranteed, not to shrink, to stay white in all normal mouths, and to resist a crushing strength of over 40,000 pounds per square inch?

S-C ALLOY is such a product. It is scientifically manufactured and was produced to meet a demand for a good dental alloy. For six years it has proven its worth. Many dentists formerly misled by "claims," "pish-posh" or "fiddle-faddle" have become converts to the S-C idea. Their

alloy worries are over. They know what they are using and they also know that in the light of modern research a better dental alloy has not yet been made.



*The signed coupon will enable you
to try this remarkable ALLOY.*

**STRATFORD - COOKSON
COMPANY**

42nd & Ludlow Streets
Philadelphia, Pa.

Enclosed find 25c in stamps. Send me a sample of S-C ALLOY. If I purchase an additional ounce the 25c will be refunded.

Name

Address

Dealer

ON TO CLEVELAND! SEPTEMBER 10th-14th

CLEVELAND

Fifth City

BIDS YOU WELCOME

The Cleveland Dental Society extends
a cordial greeting to the

AMERICAN DENTAL ASSOCIATION

Half the people of the United States live
within 500 miles of Cleveland



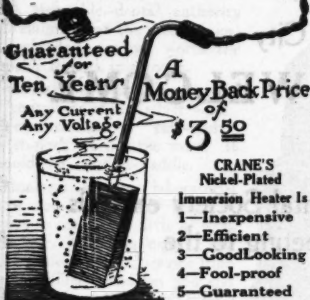
The New Auditorium, Hotels, and other
resources makes this the best convention
city in the world



COME!

ON TO CLEVELAND! SEPTEMBER 10th-14th

Every Dentist Needs
Constant
HOT WATER
"Attains Mouth Temperature in
10 Seconds."



WARMS HEATS BOILS

Water or Food

Through your Dealer or by C. O. D.
Parcel Post from

CRANE & COMPANY

42 East 11th St. New York City
"A Crane & Company Article"

They Relieve Pain—

That's why you need
Dr. Stempel's

Suction Cup Dental Plasters

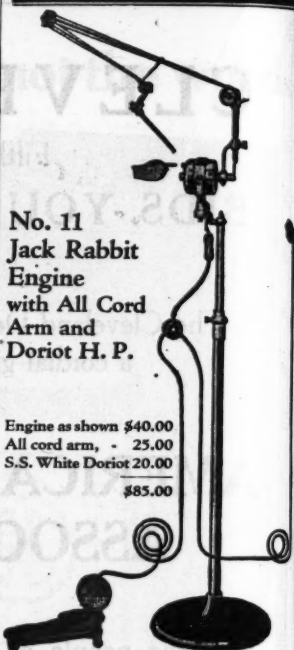
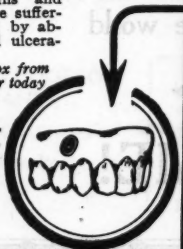
That's why we sell them to the better dentists in the U. S., Canada, Europe, Australia, and Japan.

Counter-irritation, perfectly applied by means of these little medicated suction cups will stop dental pains and fully relieve suffering caused by abscesses and ulcerations.

Order a box from
your dealer today

**STEMPEL
DENTAL
SPECIAL-
TY CO.**

Fort
Madison,
Iowa



No. 11 Jack Rabbit Engine with All Cord Arm and Doriot H. P.

Engine as shown \$40.00
All cord arm, - 25.00
S.S. White Doriot 20.00
\$85.00

One Turn of the Knob

This type has proven one of our best sellers, running very quiet and smooth, with plenty of power. The hand points to a small switch, built in motor. One-half turn of the knob instantly reverses motor, giving four speeds forward or backward.

Engine complete includes extra belt, oil can, etc. New catalogue showing various types of Jack Rabbit engines and other goods we manufacture now ready.

T. M. CRUTCHER

DENTAL MFG. CO.

414 and 423 West Liberty Street
Louisville, Ky.

Formerly T. M. CRUTCHER
DENTAL DEPOT, Inc.

ON TO CLEVELAND! SEPTEMBER 10th-14th

Worth Imitating

but these new features are protected by application for patents; design and mechanical.



American Cabinet No. 125

The one-piece white glass, sanitary, stainless medicine closets are unique, and original.

The steel drawer bodies with solid oak or mahogany fronts are also an innovation.

The American Cabinet Co.
Two Rivers, Wis.

ON TO CLEVELAND! SEPTEMBER 10th-14th

EVERY CLOUD A SILVER LINING EVERY PLATE A ROSCINIAN LINING

THE Roscinian Linings are Metallic Linings of 24K gold or aluminum to be used on all new rubber dentures, counteracting the deleterious effects of the vegetable product caoutchouc, on the palatal tissues contacting with a denture in the oral cavity; especially valuable in preventing heated, spongy gums; producing and sustaining a strictly *oral hygiene*. The mechanical effect is really beautiful and your professional suggestion is gladly paid for.

The Roscinian Gold Lining XX (Our Standard)	\$5.00	{ Sufficient for One Upper Denture Sufficient for Four Upper Dentures
The Roscinian Felt Aluminum Lining	2.00	

Q Buy from your dealer or remit direct. Samples, literature and directions awaiting your request. Directions simple.

INSTRUCT YOUR LABORATORY

Q If necessary, send your lining cases to our laboratory for the Roscinian Linings to be put on, where your denture will be made and finished, representative of the highest art in this branch of prosthetic dentistry.

THE ROSCINIAN COMPANY

Metallurgists and Manufacturers
of Metallic Linings

8003 Woodland Avenue, S. E.
Cleveland, Ohio, U. S. A.

Manufacturers to the Nobility of the Profession

California Exams

California does not reciprocate or interchange licenses with other states. At the same time, the California State Board Examiners have often said that they welcome conscientious, capable men. Perhaps more than anyone else, the Examiners realize that the dental profession in California has not kept pace with the census.

And how you can help yourself to pass them

Faculty

D. B. Baird, D.D.S.
M. T. McNeil, D.D.S.
H. C. Peisch, D.D.S.
R. H. Riethmuller,
D.D.S., Ph. D.
A. E. Smith, D.D.S., M.D.
L. B. Stookey, A.M., Ph.D.
J. E. Taylor, D.D.S.
M. G. Varian, A.B., M.D.
F. R. Webb, A.B., M.D.

It was to assist the incoming dentist to avail himself of these opportunities, quickly and easily, that the California Dental Quiz and Post-Graduate Course was organized. Your card or a postal will bring detailed information as to its purpose and the way in which it was conducted. Opening session April 23, 1923.

A. HALDEN JONES, A. M., M. D.,

222 Bradbury Building,

LOS ANGELES, CALIFORNIA

ON TO CLEVELAND! SEPTEMBER 10th-14th

Quality

*"The response to the best is the inspiration
of Progress."*

"QUALITY IS NEVER AN ACCIDENT; IT IS ALWAYS THE RESULT OF HIGH INTENTION, SINCERE EFFORT, INTELLIGENT DIRECTION, AND SKILLFUL EXECUTION; IT REPRESENTS THE WISE CHOICE OF MANY ALTERNATIVES, THE CUMULATIVE EXPERIENCE OF MANY MASTERS OF CRAFTSMANSHIP; AND IT ALSO MARKS THE QUEST OF AN IDEAL AFTER NECESSITY HAS BEEN SATISFIED AND USEFULNESS ACHIEVED."

And so it is with

CRESCENT BROACHES

(Standard Since 1900)



For the Doctor

who is particular

From All Good

Dental Dealers

ON TO CLEVELAND! SEPTEMBER 10th-14th

Breathing Polishing Dust is Dangerous

The constant inhalation of dust soon impregnates the lungs with impurities. This eventually means sickness and possibly death. No argument is necessary in order to impress on the dental trade and profession that this condition should not be allowed to exist. Many have the opinion that a little grinding or polishing daily does not justify their going to any expense in protective measures—nothing could be further wrong because we all know that this little amount of dust daily is bad—and just as effective as the little drop of water constantly at work wearing away a surface.

It Can Be Avoided and with monetary profit

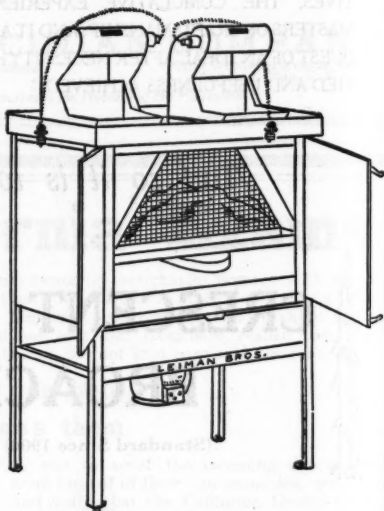
Some dust is laden with valuable metallic particles which makes it doubly important that it be collected. It means a saving of actual money—It now blows away out of the window or is carried away on the clothes. A very small amount of dust of platinum, gold etc. makes a dollar.

Leiman Bros.

Patented

Polishing Dust Collector

An efficient means for catching and holding the dust—use your own grinding or polishing motor—set it on the top of this table between the hoods. You'll be pleased with the cleaner way of working.



Send for Catalog, Price and Particulars Today

Every day you delay adds to your danger and means a further loss in money.

LEIMAN BROS. DESK 60-62 LISPENARD ST., NEW YORK **NEW YORK**
L523 NEAR BROADWAY AND CANAL ST.
MANUFACTURERS

MAKERS OF GOOD MACHINERY FOR 35 YEARS

ON TO CLEVELAND! SEPTEMBER 10th-14th

Kipling Said It

When he wrote the following lines, Kipling said it for us.

They asked me how I did it and I gave 'em
the Scripture text;

"Just keep your light so shinin' a little
in front of the next."

They copied all they could follow, but
they couldn't copy my mind,
And I left 'em sweatin' and stealin', a year
and a half behind.

The Dresch Attachment is the original stress-breaking attachment. As there were no patents to "get around," the attachment was designed to do the work in the most effective manner.

Every good thing is imitated. Dresch Attachments are no exception. But while imitators vainly tried to imitate the original, *we have been busy improving on it.* A thorough knowledge of the subject, a progressive spirit and a head-start of years, has left the imitators "sweatin' and stealin' a year and a half behind." May we send you our authoritative free literature?



THE DRESCH LABORATORIES COMPANY

622 Madison Avenue, Toledo, Ohio

ON TO CLEVELAND! SEPTEMBER 10th-14th

UNIVERSITY

The ORIGINAL Dr. HARTZELL BRUSH

Scientifically constructed to simplify the more perfect cleaning of teeth—brushes especially designed for treatment of pyorrhea.



**No. 2
Two Row**

\$3.25 per dozen. \$36 per gross.

For general use on outside surfaces.



**No. 7
One Row**

\$2.75 per dozen. \$30 per gross.

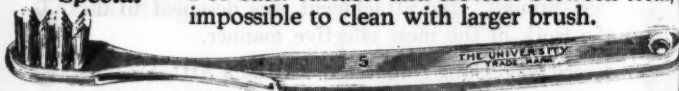
Ideal for children and adults where teeth are small and close together.



**No. 8
Special**

\$4 per dozen. \$42 per gross.

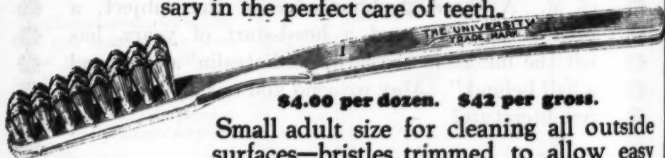
For back surfaces and crevices between teeth, impossible to clean with larger brush.



**No. 5
Special**

\$4.50 per dozen. \$48 per gross.

Inside lingual surfaces of all teeth—vitally necessary in the perfect care of teeth.



**No. 1
3 Row**

\$4.00 per dozen. \$42 per gross.

Small adult size for cleaning all outside surfaces—bristles trimmed to allow easy crowding between teeth.

**Terms 5% Discount—Cash With Order
Otherwise 2% 10 Days—F. O. B. Chicago**

JAMES R. IRVIN & CO., Inc.
230 South Wells St., Chicago, U.S.A.
"A Hand-Made, Imported Brush"

Mention your dental dealer.

Holding the Mirror Up to Nature

Your patient would as soon have you use bright green rubber for the gum shade on his plate as to use a pink that was off color.

Your plates must be as near Nature as possible—which means you must use a superior rubber.

Eugene Doherty's New Improved Pink Rubbers

in light, medium light and deep shades, fully answer every possible requirement in the making of gum shades for plates. Not only do they make the most natural plates, but they are tough and durable to a remarkable degree.

Eugene Doherty Rubber Works, Inc.
110-112 Kent Avenue, Brooklyn, N. Y., U. S. A.
Address all correspondence to Dept. B.

Skeptical at the beginning— but—



A New York City Dentist writes:
"I wish to report the excellent results I have had with MU-COL recently in the treatment of a case of maxillary synusites of dental origin. I was rather skeptical at the beginning but I am now using it to the exclusion of every other preparation on the market."

Select your case for a test; we will cheerfully mail samples. Use coupon below, simply attach card or letter head.

MU-COL

An Antiseptic Powder, instantly soluble, cleanses and heals rapidly.
Economical—Effective.

THE MU-COL CO., Inc., Tupper and Edwin Place., Buffalo, N. Y. **Jy**
Please send free samples.

ON TO CLEVELAND! SEPTEMBER 10th-14th

Dr. Riddle's Universal Dental Matrix Retainer*For Dentists of Precision*

5 seconds to apply band. Curved band (1-2500 in. thick) tough and plastic.



Especially adapted for step cavities, amalgam restoration and gold inlay work. Can be slipped between all contact points. Quickly and easily adjusted. Used by leading dentists the world over.

\$3.00 with 12 bands. Extra bands 25c dozen.*Your dealer or direct.***RIDDLE & WISE****St. Francisville, La.**

Forsyth-Tufts Training School for Dental Hygienists

Eight months' course of thorough Clinical and Technical Training in Oral Public Health Work and Dental Prophylaxis to High School Graduates. Next term begins October 1, 1923.

Early enrollment is advisable as the number of students is limited. Applications are accepted in the order in which they are received.

Apply to Harold DeW. Cross, D. M. D., Director,
140 The Fenway, Boston, Mass.

Just One Moment, Doctor!

What are you paying for your retainers? Your 1923 dollar is just as big as your dollar of 1905 was if spent for the "EUREKA." Universally used—easily attached—your patients renew their own cups. Nothing to give you trouble in after years.

"The fact that it remains speaks for its efficiency"

Upper or Lower,
\$2.00 per box—HALF DOZ.

At best dealers everywhere**1905-1923**

EUREKA SUCTION CO.
Loudonville, O.

French's Dental Plasters

Still lead in quality and economy. We now have the

WHITENESS

that the profession demands. We have always had the practical qualities. During the war we were unable to furnish the color.

NOTE

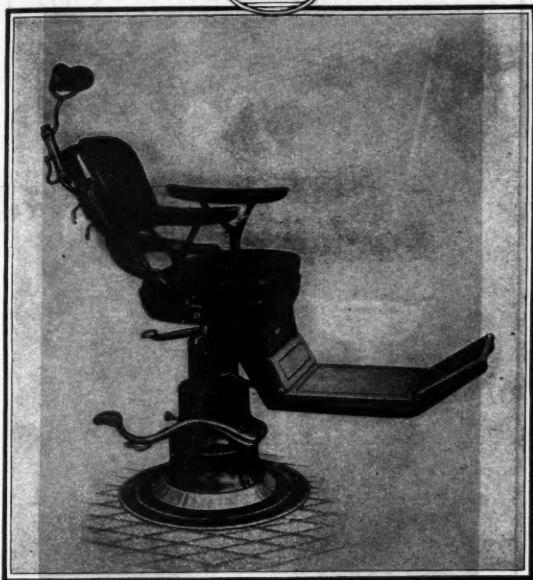
Regular: for general work
Impression: for quick working
Slow Setting: for vulcanizing.

Samuel H. French & Co.

Philadelphia, Pa.

EST. 1844 INC. 1920

ON TO CLEVELAND! SEPTEMBER 10th-14th



Less than 5¢ per Day for the Ritter Chair

When selecting dental equipment bear in mind that the Ritter Chair with ordinary care will last at least twenty-five years—the life time of the average dental practice.

When you compare the price of a house-

hold chair, consisting of only a few parts, with that of the Ritter Dental Chair containing 486 carefully fitted pieces, of which over 300 are accurately machined, you realize the extraordinary value of this piece of Ritter Equipment.

More than \$15,000,000.00 invested in Ritter Chairs by the Dental Profession tells the story.

RITTER DENTAL MFG. COMPANY, INC.
ROCHESTER, NEW YORK

ON TO CLEVELAND! SEPTEMBER 10th-14th

Students' Choice



Clark Unit Pedestal

Many more graduates, than ever before, placed their orders for the Clark Unit Pedestal. They realized that such a Unit, with its sufficient Utilities, simple roomy interior and its attractive appearance, would, for the practitioner just starting out, compensate largely for their lack of experience and would play a big part in their success.

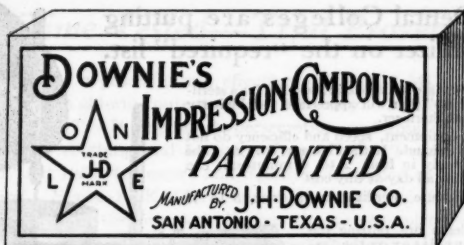
THE HOT AIR SYRINGE—MOUTH LAMP and ANTRUM LAMP
WORK INDEPENDENTLY of any SYSTEM in the UNIT ITSELF

A. C. CLARK & COMPANY

1035 E. 76th St.

CHICAGO, ILLINOIS

ON TO CLEVELAND! SEPTEMBER 10th-14th



DOWNIE'S IMPRESSION COMPOUND

A NEW PRODUCT ENTIRELY.
FINE SMOOTH TEXTURE, NON-STICKY.
PATENTED SEPARABLE CAKES.

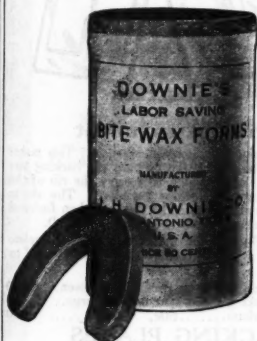
When once used, no other will be accepted.
The best you ever used, or **YOUR MONEY BACK.**

Price: 1 box \$.50, 6 boxes \$2.70, 12 boxes \$5.00.

DOWNIE'S BITE-WAX FORMS

A Great Little Labor Saver

A Great Little Convenience



A bite wax of the best quality, cut into forms ready for taking the bite. All that is necessary is to put them into warm water until they are warmed through, and they are ready for taking the bite.

Suitable for all cases. One dozen forms in a box.

Price per Box, 50 cents, 12 for \$5.00

J. H. DOWNIE CO.,

714 Paschal St.

San Antonio, Texas, U.S.A.

ON TO CLEVELAND! SEPTEMBER 10th-14th

Why Dental Colleges are putting this sterilizer on the "required" list.

If you have ever grown impatient waiting for a sterilizer to "heat up" you will appreciate the Flaherty Molten Metal Sterilizer.

In sterilizing equipment, speed and efficiency do not often go hand in hand. In the Flaherty, they do. The Flaherty is ready in from 2 to 4 minutes; it can be kept running all day at tiny cost.

It affords absolute sterilization in from 5 to 10 seconds.

Dental Colleges are putting the Flaherty sterilizer on the "required list"—some of them for the fourth successive year—because it offers the one simple means of maintaining a perfect surgical asepsis in root-canal operations. If the Flaherty takes care of their requirements it will take care of yours equally well.

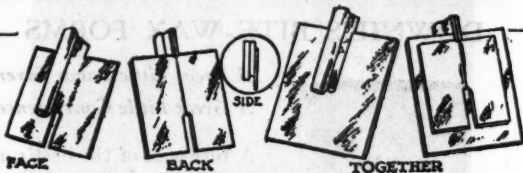
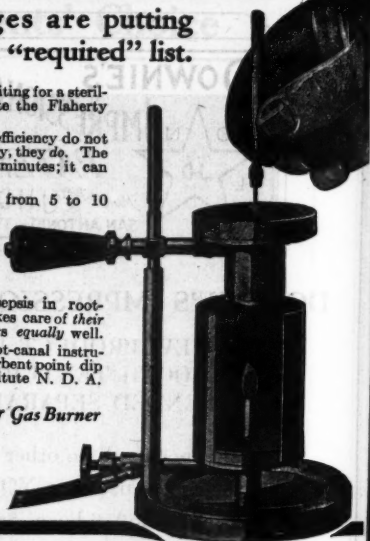
How It Works. To sterilize any root-canal instrument, cotton-wound broach or absorbent point dip into molten metal. Research Institute N. D. A. and other tests prove efficiency.

Price \$10.00. Specify Alcohol or Gas Burner

Order from your dealer or

The Flaherty Mfg. Co.

West Bend, Wisconsin



The Reynolds Rib-Anchor Attachment

is a combination pin and anchor plate for use with removable porcelain facings. This makes it unnecessary to carry a stock of various sizes of backings. To prepare the backing you simply cut a slot in a piece of 30 gauge sheet metal, large enough to receive the rib of the attachment. This is easily done with a rubber carborundum separating disc. The sheets are then trimmed to any size or shape that occasion demands. The two are then fastened together with sticky wax, (they become soldered together when the bridge is soldered).

We manufacture a Backing Plate which with the Rib-Anchor Attachment makes a complete backing in two pieces, both die-cut and fit together so perfectly that no wax is required to hold them together.

Rib-Anchor Attachments (Platine) per dozen..... \$2.00
Rib-Anchor Attachments (Gold) dcs. \$4.00

Backing Plates (Platine) per dozen.. \$2.00
Backing Plates (Gold) each Large... .65
Medium.....60c, Small..... .50

BACKING PLATES

Write for samples. Order direct.
Discount to dealers.

LARGE

MEDIUM

SMALL

Western Metal Co.
Bloomington, Ill.



EXACT SIZE

ON TO CLEVELAND! SEPTEMBER 10th-14th

Time Tested—Trial Proven

ALKALOL is a powerful and effective solvent of MUCIN or pus. Its high chlorin content assures efficiency. It is markedly DEODORANT. It opposes hypersecretion and loss of tissue tone. It is soothing and healing. It not only "Freshens the mouth" but helps to restore and maintain normalcy of the oral secretion. Hence ALKALOL represents, as it has for years demonstrated to the practical dentist, the ne plus ultra, of all agents for use at the chair, after extraction, during operation, in the home as a dentifrice or oral prophylactic agent. Attempts "to steal ALKALOL'S thunder" prove the best evidence that ALKALOL has met and successfully and satisfactorily filled the exacting requirements of the discriminating and critical dentist.

Sample and "Reason why" literature on request.

The Alkalol Company

Taunton,

Mass.

Sal Hepatica

Materially Aids
Local Treatment

IN

PYORRHEA

Samples on Request

Bristol-Myers Co.
NEW YORK

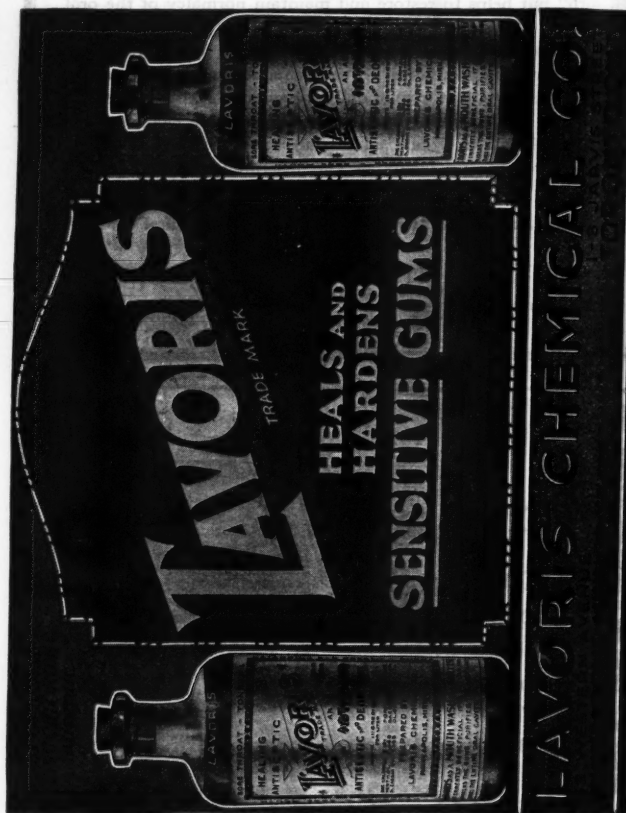


ON TO CLEVELAND! SEPTEMBER 10th-14th

LAVORIS

is the strongest ad for

LAVORIS



The advertisement features two bottles of LAVORIS, one at the top and one at the bottom. The central text box contains the following text:

LAVORIS
TRADE MARK
HEALS AND
HARDENS
SENSITIVE GUMS

The bottles have labels that read: "LAVORIS", "HEALING", "ANTISEPTIC", "PREPARED BY", "LAVORIS CHEMICAL CO.", "NEW YORK, N.Y.", "MADE IN U.S.A.", "USE TWENTY-FOUR HOURS", "HEALING", "ANTISEPTIC", "PREPARED BY", "LAVORIS CHEMICAL CO.", "NEW YORK, N.Y.", "MADE IN U.S.A.", "USE TWENTY-FOUR HOURS".

*A Complimentary Supply
gladly sent to professional men on request*

ON TO CLEVELAND! SEPTEMBER 10th-14th

Burlew Cleaning Discs

SAMUEL G. SUPPLER & CO.
PROSTHETIC SPECIALISTS
LABORATORIES
ONE UNION SQUARE
NEW YORK

April 17th., 1923.



J. F. Jelenko & Company,
136 West 52nd Street,
New York City, N. Y.

ATTENTION: Mr. J. F. Jelenko.

My dear Mr. Jelenko:-

We find "Burlew Cleaning Discs" a wonderful asset to us in finishing and polishing small, delicate work, and I am sure you have produced something that should be a great help to exacting dentists and laboratory technicians.

Very truly yours,

Samuel G. Suppler

JCS:Z

THE BERRY DENTAL LABORATORY CO.
J. C. SCHWARTZ, President
CHICAGO, ILLINOIS
SAINT LOUIS, MISSOURI

April
7th
1923

J. F. Jelenko & Co.,
136 W. 52nd St.,
New York, N.Y.

Attention Mr. J. F. Jelenko,
My Dear Mr. Jelenko:

I don't see how we could "keep house" without Burlew Cleaning Discs.

They are a great aid in finishing all classes of gold work, particularly delicate pieces that require fine polishing.

Respectfully yours,

J. C. Schwartz

JCS:AS

Dentists should use these discs to clean teeth, fillings etc. then President. For an extra high, lustrous polish use Burlew High Lustrous Polishing Cleaners or Polishers \$1.00 a box from Better Dealers. J.F. Jelenko & Co. 136 W 52nd St N.Y.



ORAL HYGIENE

The WHEELS of X-RAY PROGRESS CONTINUE *to* REVOLVE

With Research as the Motive Power



If you contemplate purchasing new
X-Ray equipment and are interested
in an apparatus which is not only
electrically

SAFE • COMPACT
FLEXIBLE • DURABLE

but is a pleasant advance in the X-Ray
art, write us for advance information.

VICTOR X-RAY CORPORATION

Dental Department

236 S. Robey St., Chicago

ON TO CLEVELAND! SEPTEMBER 10th-14th

Bulletin No. 5
of This Series



Ultra-Violet Radiation in Dentistry

(Bulletin No. 5 of the Dental Section of Victor Biophysical Research Department)

Radiographic Interpretation.

The alveolodental space surrounding the mesial root of the first molar is widened and radioparent. There is a radiopacity in the alveolar structure about the distal root. Much radioluculent erosion of structure is apparent around both roots of the second molar. Diagnostic inference: mesial periodontitis, distal alveolar inflammation at the first molar roots. Necrotic disintegration surrounding both roots of the second molar. (Interpretation confirmed by F. F. Molt, D. D. S.).

Pathologic Summary. The second molar is an obviously poor therapeutic risk. Its extraction seems advisable. But its marked infectious involvement suggests that, following its extraction, measures must be used to preclude alveolar necrosis. The periodon-

titis needs some therapeutic assistance before the virulency of the infection creates an abscess and alveolar erosion similar to that surrounding the second molar

Therapeutic Indication. Extraction of second molar, and removal of infected soft tissue by curettage. Sterilization of infected alveolar bone following extraction. Sterilization of periodontitis.

Indications for Ultra-Violet. Its highly bactericidal qualities will prevent alveolar osteolysis following the extraction of the second molar¹. It will also check the virulency of the periodontitis and prevent the first molar from undergoing the changes shown by the second molar².

References:

- (1) Pacingi, A. J.; Dental Summary, February, 1923. (2) Donnelly, L. C.; Michigan State Med. Society, March, 1921.

A more complete discussion of above pathology together with details of Ultra-Violet Technique will be sent on request, without obligation.

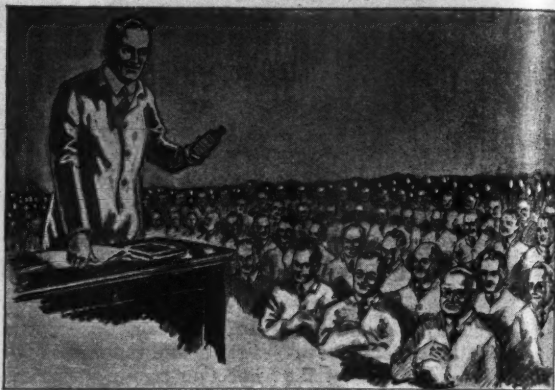
VICTOR X-RAY CORPORATION

Dental Department

236 S. Robey St., Chicago



ON TO CLEVELAND! SEPTEMBER 10th-14th



20,000 DENTISTS *Have Learned the Secret*

20,000 dentists have learned how to successfully control post-extraction pain—that unexpected pain that comes after the patient has left your care. By administering a few SEDAVOL tablets before and after extractions, they are assured of every patient's good will and satisfaction.

SEDAVOL, the friend of the dentist and patient alike, has been called the perfect anodyne. It is a sedative that is non-depressant, non-habit forming and harmless.

It is safe, rapid and sure in action. Its mild stimulation leaves the patient refreshed and invigorated—the ideal reaction to be desired after a trying operative case.

This Suggestion

comes to us from a nationally known Oral Surgeon: with 10 drops of Stana-zine in a glass of hot water, rinse the mouth.

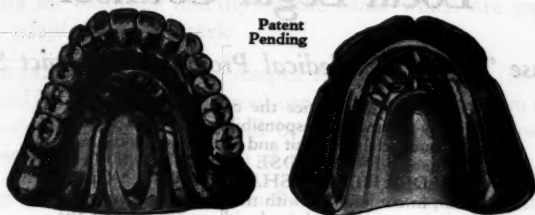
If you are not already familiar with SEDAVOL—if you are not one of the twenty thousand—we would be pleased to send you a complimentary package to try. Just your card or letter-head will bring it.

Dental Pharmaceutical Co., Inc.
Holton, Kansas

ON TO CLEVELAND! SEPTEMBER 10th-14th

Dentists everywhere are enthusiastic about this

Duplex Gold Denture



Patent
Pending

Berry's most popular prosthetic achievement! An 18 karat Gold Plate, 27 gauge, heavily reinforced

Upper plate—\$25

Lower plate—\$22

Construction—Trubyte teeth, granular gum, and Ash rubbers. Entire palate of upper and greatest area of lower denture is of 27 gauge 18 K. gold, securely anchored to the vulcanite by a series of retentions that permit a beautifully smooth finishing line between gold and vulcanite.

Fit—The periphery of muscle-trimmed impression is accurately reproduced in the vulcanite, thus securing the "valve" peripheral fit with the rubber—a result almost impossible with metal.

Instructions—Send perfect impression and bite. We will send the gold base, with teeth set up in wax, to be tried in the mouth before vulcanizing. We are prepared to furnish this class of work to laboratories not equipped to do it.

Send for this—an interesting folder entitled "Dr. Young's Models," telling how a dentist increased his fees.

The BERRY
Dental Laboratory Co.



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You Have A Voice In The Selection of Your Local Legal Counsel

Clause "D" of the Medical Protective Contract Says:

Upon receipt of notice the company shall immediately assume full responsibility for the defense of any such claim or suit and shall retain local legal counsel, **IN WHOSE SELECTION THE HOLDER HEREOF SHALL HAVE A VOICE**, who, in conjunction with the legal department of the company shall defend without expense to the holder hereof.

And the Doctor says;

"As you are aware, I was made a co-defendant in this suit with another physician, who carried other protection, I am sure you can realize what vastly greater relief I felt than he throughout the entire proceedings, where damages to the extent of fifty thousand dollars were claimed.

"HE HAD NO CHOICE IN THE NAMING OF LOCAL COUNSEL, ANOTHER POINT THAT I HAPPEN TO KNOW CAUSED HIM SOME EMBARRASSMENT."

A Medical Protective Contract assures you of expert defense and personal service, rendered by the only corps of legal specialists in malpractice in existence, who devote their entire time to the interests of the contract holders of this company.

THE
MEDICAL PROTECTIVE CO.
OF
FORT WAYNE, INDIANA.

Professional Protection Exclusively.

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The Rigidly Aseptic Operative Technique

now recognized as absolutely essential in the conservative treatment of pulpless teeth necessitates the use of sterile absorbents for cleansing and drying the canal which are particularly adapted to this work.

The unusual qualities of the Aseptic Absorbent Points (Sterile) prepared by us especially for root canal surgery make them ideal for this purpose, and they will be found to penetrate canals inaccessible to any other form of absorbent.

Put up 200 in box, each box in four aseptic compartments.

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New Brunswick, N. J., U. S. A.

Specify Johnson & Johnson's

STOPAIN

(Trade Mark)

Instant relief from
pain after extrac-
tion, especially
when tooth has
been abscessed

Antiseptic,
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Control of
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hemorrhage



In pain following
extirpation of the
dental pulp

Prevents
infection

Prevention of af-
ter-pain in extrac-
tions under local
anaesthesia

All reliable dealers. Manufactured and guaranteed by

KING'S SPECIALTY COMPANY

Fort Wayne, Indiana

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No vital tooth should be filled without lining.

More pulps have been destroyed from lack of lining than from any other one cause.

For years we have advocated the lining of tooth cavities, and now it is pretty generally admitted to be the correct principle.

Gilbert's Non-Conductive Tooth Lining

was the first and only one on the market for years. It has established a name for itself as a saver of pulps. There are some who continue to fill teeth without lining, and patients wonder why their teeth are sensitive after filling. Gilbert's Lining is insoluble by the fluids of the mouth. It protects the tooth against shock from thermal change, giving the patient a tooth that is comfortable after it is filled. The comfort this lining gives the patient means a better reputation for the Dentist.

Price per package - - .75

Trial size - - - .35

If your dealer does not have it in stock, we will mail it on receipt of price.

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Practical instruction—day or evening. Three to nine months' course. No charge for equipment. Postgraduate course for Dentists and Practicing Dental Mechanics.

Established over 30 years. Write Dept. 10-H for 36 page catalog.

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WANTED—Capable Mechanical Dentists

The demand is greater than the supply for REAL mechanical dentists. The high standard of McCarrie instruction is evidenced by the success of its graduates. Individual expert instruction in every branch of prosthetics at reasonable terms. The largest and best equipped school of its kind. Send for free book 14.

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TERRY'S DENTAL SPECIALTIES

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WORN HANDPIECES REBUILT

EQUAL FOR SERVICE TO ANY NEW ONES. T. D. S. IMPROVED FEATURES INSTALLED IF DESIRED. ESTIMATES GIVEN ON EXAMINATION IF REQUIRED. IF IT'S ABOUT A HANDPIECE ASK TERRY'S

Clean Green Carborundum—the purest, the coolest, fastest cutting kind. But be sure it is the original and genuine GREEN. Distributed by Lee S. Smith & Son Mfg. Co., through good dealers everywhere.

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In Leather Case \$1.00



Lasts a
Life
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Inform your patients that 90% of all FATAL decay starts between teeth. Send \$1.00 and receive one extra "FLOSSY" FREE for demonstration. Then have your druggist stock them for your patients.

Our Safety Guide is with a "Natural" bite—self limiting—no harm to gums.

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Do You Want This Crown Gauge Free?

Attach this ad to your letterhead or card and send it to us and we will tell you how to secure the gauge and also send you a catalog Masel's Gold Facings.

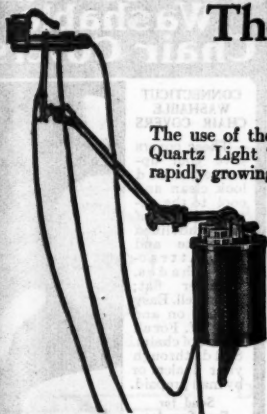
This will not obligate you in any way.

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The Kromayer Lamp



The use of the Kromayer Lamp as a producer of Quartz Light Therapy in the dental profession is rapidly growing.

It is the highest producer of Ultra Violet Rays and its field of indication covers pathological conditions of the mouth, especially that of pyorrhea. It is very valuable after extraction and reduces the post-operative pain.

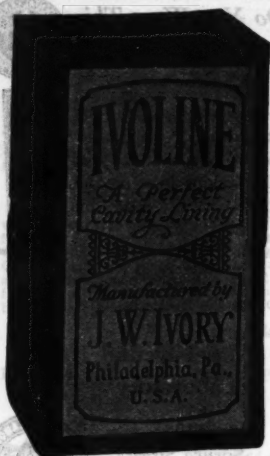
We have some very interesting literature on this subject which we will be pleased to send to you upon request for booklet "R".

Hanovia Chemical & Mfg. Co.

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Branch Offices—New York, Chicago, San Francisco

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At Last!

a perfect cavity lining

IVOLINE

This is a new product you will like.

It is worthy of a trial.

Once used—no other will do.

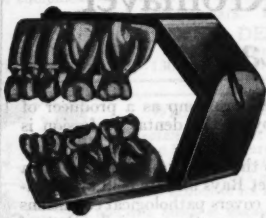
Protect all fillings during early stages of hardening.

All dealers.

J. W. Ivory

Philadelphia, U. S. A.

Even a Child



can understand all about the operation you are about to perform when you explain it with a

TYPODONT

in your hand.

The picture shows Model No. 3 of the deciduous teeth.

It is made of ivory tinted celluloid.

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**Lee S. Smith & Son
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Connecticut Washable Chair Covers

**CONNECTICUT
WASHABLE
CHAIR COVERS**

These covers save your upholstery and look clean and cool to the patient. Made of high grade linen in white and many attractive shades. Launder flat; wear well. Easy to put on and take off. For all makes of chairs. Sold through your dealer or by mail prepaid.

Send for
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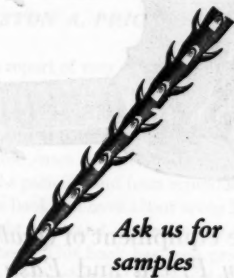
**CONNECTICUT
COAT & COVER
COMPANY**

Dept. H,
SHELTON, Conn.



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The tenacious grip of the Asko Broach will command your respect and confidence like the hearty grip of a true friend's handshake.



*Ask us for
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Trade Mark



Registered

**A. S. Koch & Sons,
Lancaster, Pa.**

Please send free samples of Asko
Broaches.

Dr.

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If furniture equipment of *Quality* and *Integrity*, *Fairly Priced* and *Easy Terms* mean anything to you, drop us a line without obligation.

We will cheerfully furnish descriptive matter *With Prices*.

The Harvard Company
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Manufacturers of chairs and cabinets and other equipment for thirty-six years.

HARVARD

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IMPORTANT NEW BOOK

DENTISTS, PHYSICIANS, NURSES, SOCIAL WORKERS, ETC., IN
ALL PARTS OF THE WORLD WILL BE GLAD TO KNOW OF
THE COMPLETION OF THIS HELPFUL BOOK

Dental Infections, Oral and Systemic

A Contribution to the Pathology of Focal Infections
and the Degenerative Diseases.

By **WESTON A. PRICE, D.D.S., M.S., F.A.C.D.**

This book is a report of very extensive researches on the fundamentals of dental diagnosis, prognosis and treatment, with new interpretations of the fundamental principles involved, and an application of these in the diagnosis and treatment of about two thousand cases in actual practice. These cases are profusely illustrated, both from photographs from the patients and from reproduced lesions in experimental animals. The book will have about seven hundred pages, $7\frac{1}{2} \times 10\frac{3}{8}$, and about eight thousand square inches of halftones; also several four-color plates. This book has been produced at a very large expense in special researches and for special photographic reproductions, and will be a very great aid in the diagnosis of local and systemic dental involvements and their management.

Delivery is expected to begin about August 1, in the order of requests for same.

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THE Special treatment of FELDSPAR, SILEX and KAOLIN (the principal ingredients) has always remained the same since the process was first discovered by the FOUNDER.

May we send you a catalog of all our molds?
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To state that CLOVER LEAF Products save double their cost in time, labor and materials is the truth—but only half of it.

There is still the pleasing facility and accuracy with which they work—the satisfying results.

ONE HOUR from the time of mixing CLOVER LEAF STONE is set—HARD, DENSE, STRONG, ready to go into the vulcanizer.

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Send trial sample of.....

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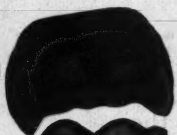
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What a prominent Chicago dentist says about Dr. Peck's Casting Investment

(Doctor's name furnished on request.)

"It has been my intention to tell you about the results with your inlay investment. I refer to the brand known as 'Peck's Investment' which you sent me. It is the finest stuff I have come across. The simplicity of its use and the accuracy with which it reproduces the wax pattern is wonderful. It has made my casting work a pleasure. I cast gold crowns, without shrinkage or bubbles. Some time ago I had a group of men in my office and gave them a little lecture on casting with Peck's."



Try it, as he did. Get a can of Dr. Peck's Casting Investment from your dealer today.

For inlay abutments or three quarter crowns use Formula 1, Hart Casting Gold with Dr. Peck's Casting Investment and you'll get the smoothest, most accurate castings you've ever seen.



Prices—

At Your Dealers

Dr. Peck's Casting
Investment—
per can \$1.00

FORMULA



Hart Casting Gold—
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per dwt. \$1.75

Both of these products are manufactured by

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Dental Specialties Co.

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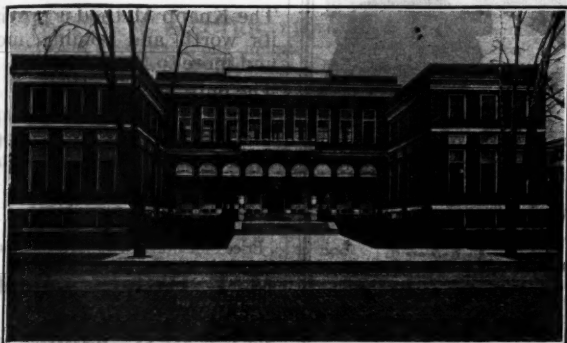
St. Louis, Mo.

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Rochester Dental Dispensary

School for Dental Hygienists

Founded by George Eastman



REGISTERED by the Regents of the University of the State of New York, this school prepares young women to do prophylactic work in schools, public institutions and in dental offices. The dispensary is provided with every facility of the most modern type to teach young women in this important work. Practical instruction is given in children's work in the dispensary and public schools and adult practice in the plants of the Eastman Kodak Company. This is in no sense a dental school and does not prepare young women to practice dentistry nor to be assistants, other than for the doing of prophylactic work.

The requirement for admission is an oral hygiene student qualifying certificate issued by the Regents of the University of the

State of New York. Preference will be given to those with full high school education. The number of students that can be taken is limited, and early application should be made. Students will be enrolled in the order in which applications are received.

There is a great demand for dental hygienists for service in dental offices, schools and public institutions. Only those will be recommended who give evidence during the school year of a proper appreciation of the work that the dental hygienist will be called upon to do. It is hoped that the dental profession will be interested to the extent of recommending as students, only such young women as are fitted by character and education for this important work.

**THE SEVENTH ANNUAL SESSION BEGINS MONDAY,
SEPTEMBER 17th, 1923 AND ENDS IN JUNE 1924.**

FEES—TUITION \$130.00

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this Steelcraft Table, with Genuine
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There is other Steelcraft furniture too.

Dealers write for terms.

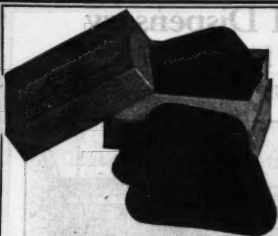
STEELCRAFT COMPANY

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It is impossible to make a plate that will fit if you do not first make an accurate impression.

KERR

Perfection Impression Compound

"The Ideal Impression Material"

At all Leading Dental Depots

Detroit Dental Mfg.

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KNAPP INVESTMENT

The Knapp Method is proving its worth and coming more and more to the front.

The only way to be sure of perfect results by the Knapp Method is to use Dr. Knapp's investment—made for that particular purpose.

It comes in blue cans.

Price No. 1 or No. 2—\$1.00 per can.

M. F. Patterson Dental Supply Co.

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Mail this ad for a copy of Dr. Knapp's booklet.

A Necessary Evil

Williams' Painless Devitalizing Paste will devitalize promptly, completely, and painlessly, pulps that can be devitalized at all; its action is unattended by inflammatory tendencies incidental to most devitalizing agents.

Being fibre and paste combined it possesses all the cohesiveness of the former with the plasticity of the latter; its dark color enables you to place and locate it most accurately.

It contains no opiates: no narcotic order form is, therefore, required.

As long as devitalizing pulps remains a necessary evil in dentistry make the best of a bad thing and save yourself and your patients all trouble and worry by using Williams' Painless Devitalizing Paste according to the detailed directions that come with each package, through your dealer.

"Dandy Deadly Dope"

Manufactured and Guaranteed by

KING'S SPECIALTY COMPANY

Fort Wayne, Indiana

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YOU CAN'T PRACTICE WITHOUT BOILING WATER

The F. & M. ELECTRIC LIQUID HEATER boils a glass of ice water in one minute. The exposed heating element utilizes every heat unit. May be used in office, home, and laboratory.

Does not require electrician to repair—simply hook on a new coil and it is ready for use again. Extra coil with each outfit.

Your present facilities may supply hot water but not boiling water.

Attaches to standard socket. Costs 6c per hour. Used to boil wax. Gives quick start on vulcanizer. Heats modeling compound, eliminates messy gas plate.

From your
dealer or

\$3.50

Postage prepaid

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"The Green Special Flexible Hypodermic Needle"

None genuine without
the Log Trade Mark



Price

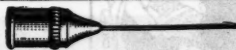
\$2.00 per dozen

The obvious fine point and flexibility precludes the possibility of pain when injecting, while with the ordinary hypodermic needle the coarseness of point and rigidity causes a tearing and dragging sensation, which is painful and frightens the patient. With the Green Special you have none of the above disagreeable features. Once used Always Used.

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You get out of your practice in proportion to what you put into it. The Green Special Flexible Needle is the only humane hypodermic needle on the market. Never fails to win the everlasting gratitude of your patients. We always have the genuine and the imitations with us. Beware of the unscrupulous dealer who claims to have a substitute just as good. None genuine without the LOG trade mark.

The Green Special Flexible Needle



The 2 (in One) Needle

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Please send me full data on

☐ Needles

☐ Green's Antiseptic Ointment

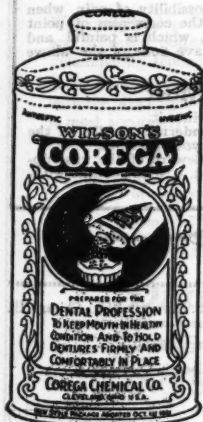
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A Small Can of *Wilson's Co-re-ga* Should Go with Each New Plate

A wonderful comfort powder to
assist patients with their new
dentures.



35c, 60c and \$1 Sizes
from your Supply House
or Druggist

MADE ONLY BY
COREGA CHEMICAL CO.
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Send for Samples

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Hood's 22 kt. Gold Shells

when annealed are extremely ductile and capable of meeting the most radical manipulative requirements and can be swaged into any form without danger of splitting. And although Pliant to work, they become Rigid in Service.

We were pioneers in the making of Gold Shells, and for 30 years have conducted a Dental Laboratory.

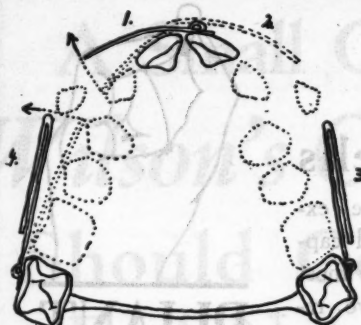
This experience has proved conclusively that so-called "Silver Alloys" are too soft for use in the mouth.



PLIANT
to work
RIGID
in service

**YOU GET
WHAT YOU PAY
FOR WHEN YOU
ORDER HOOD'S
GOLD SOLDERS
and SHELLS** because they are of the fineness stamped—finer than the law requires.

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The Simplicity of Tooth Movement

We have evolved an entirely new principle in the construction of regulating appliances, the simplicity of which makes it possible for every dentist to include this most remunerative branch of dentistry in his general practice with absolute confidence and assurance and the certainty of perfect results. No experience necessary. We teach you step by step, and if you follow our instructions you cannot fail.

Force, speed and limit of motion can be controlled absolutely with our appliance. The maximum of force applied against a tooth is always decided by the patient—hence, no sore teeth.

With every appliance we send detailed drawings and explicit instructions, and follow the case through with you to its successful completion.

Send full upper and lower impressions—permit us to pour the models.

Appliances will cost from \$10.00 to \$30.00.

Continuous co-operation and service without additional cost.

REESE & WIEDHOFFT

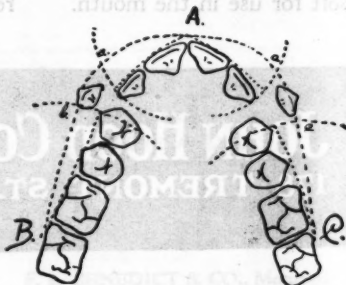
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Our Orthodontia Department is in charge of Dr. A. H. R. Berthold. See his series of articles on Orthodontia now running in Dental Facts.

We specialize in bridge work with baked porcelain roots.



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The Frequent Users' Economy Packages



The New Style
hermetically sealed
bottles of 100

N. S. Tablets "E" and "T"

\$1.20 per bottle

Box of 10 bottles \$10.00

For two percent. solution, dissolve one N. S. tablet "E" or one N. S. tablet "T" in one cc. Ringer solution.

The N. S. tablet "E" is preferable for mandibular injections and for anesthesia when pronounced ischemia is desired.

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One-Twenty-Two Hudson Street, New York.

Manufacturers of NOVOCAIN—"The Dependable Original"

Looks Do Not Satisfy

The most perfect artificial tooth, — in appearance — would not satisfy the expert workman if the results were uncertain.

No Guesswork with Steele's Interchangeable Teeth

They have the advantages:

MOLDS

STRENGTH

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INTERCHANGEABILITY

Let us send
the correct technic



The Columbus Dental Mfg. Co.
Columbus, Ohio, U.S.A.

James McMillin Printing Co.
Pittsburgh, Pa.

TINKER GOLDS

The signature of E. T. TINKER is stamped on every piece



Tinker gold No. 1 for full and three-quarter jacket crowns. Contains a sufficient amount of platinum to give the necessary rigidity but not too hard so as to cause a springing away from the cement joint during the stress of mastication.

(Two dwt. ingots) Melts at 1940° F.

Tinker gold No. 2 for lower incisors and upper three-quarter crowns when a close bite is required in the thinnest type of attachment. A harder metal than No. 1, containing considerably more platinum, though so alloyed that it has a gold color.

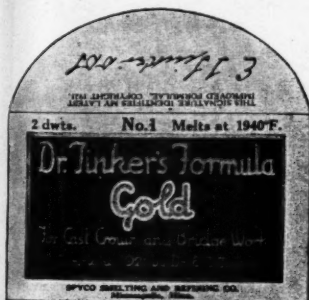
(Two dwt. ingots) Melts at 1965° F.

Tinker gold No. 3 for cast clasp attachments, over-arch bars, etc. Unusually tough, springy and strong, a very high platinum group combination, makes casts uniformly smooth and clean, metal retains its elasticity, toughness and spring after casting.

(Two dwt. ingots) Melts at 1980° F.

Tinker gold No. 4 (gold color) for saddles, over-arch and lingual bars, horse shoe plates, partial and full plates. It is unusually springy and strong, melts with the ordinary blow pipe, retains its spring and toughness after casting, casts clean without pitting, is very dense.

(Two dwt. ingots) Melts at 1775° F.



SPYCO

Smelting & Refining Co.

Purchasers and refiners of gold,
silver and platinum

Manufacturers of Tinker golds
and alloys

Minneapolis, Minnesota.

Pro-phy-lac-tic
Tooth Brush

Brush Your Upper Teeth Downward and Your Lower Teeth Upward

THE WORLD'S STANDARD TOOTH BRUSH

MAKES IT EASY TO REACH THE INSIDE SURFACES OF THE TEETH AND DOWN INTO THE DEPRESSIONS BETWEEN THE TEETH

GUARANTEE
The brush is guaranteed to be made of the finest materials and to be of the highest quality.

REGISTERED IN U.S. PAT. OFF.

MADE IN U.S.A.

Florence Manufacturing Company
Florence, Mass.

Brush Your Upper Teeth Downward and Your Lower Teeth Upward

The Tooth Brush That Gives You Lots of Help

You can make any tooth brush reach the inside surfaces of the back teeth if you try hard enough.

But the curved handle of the Pro-phy-lac-tic Tooth Brush makes it easy to brush the hard-to-reach places.

The tufted bristles reach between the teeth and down into depressions made by crooked teeth without any special effort on your part.

Pro-phy-lac-tic Tooth Brushes are made in three sizes—adults', youths', and children's; and in three degrees of bristle stiffness—hard, medium and soft.

Each brush is sterilized before being enclosed in a sanitary yellow box.

Dentists: Send for a supply of interesting booklets on the "Care of the Teeth," imprinted with your name.

Write for free sample set.

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